

Metallization on sapphire

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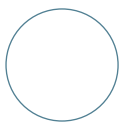
Metal

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Contacts 100

S = Smoky



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

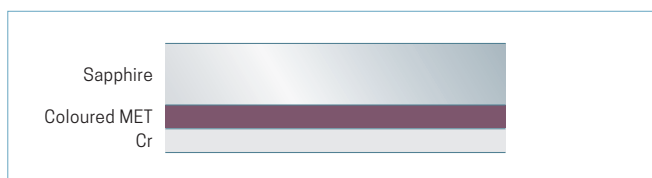
Colorimetry

x	y	Y
0.3484	0.2847	11

Colorimetry with colourless AR

x	y	Y
0.4034	0.2194	4

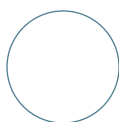
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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Sapphire

Application

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	Dials
	FusedSilica

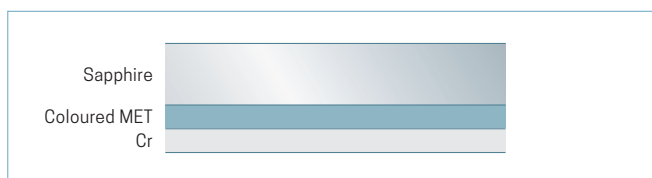
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2880	0.3090	T% 50

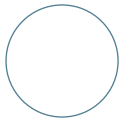
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Colorimetry

x	y	Y
0.2740	0.2850	17
		

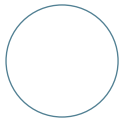
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Colorimetry

x	y	Y
0.2645	0.2660	9



Colorimetry with colourless AR

x	y	Y
0.1654	0.1178	1.5



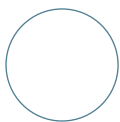
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Colorimetry

x	y	Y
0.2539	0.2641	13
		

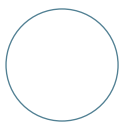
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●	Sapphire
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Visibility

●	Through the sapphire
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Colorimetry

x	y	Y
0.2536	0.2513	10

Product structure



Cleaning instructions

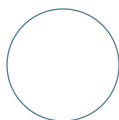
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M75

Bleu T10% indirect

Smoky MET Intense



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

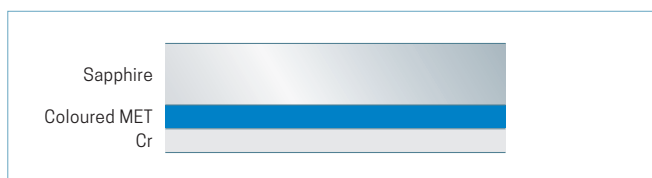
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.1547	0.1332	T% 10

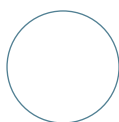
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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2616	0.2660	10

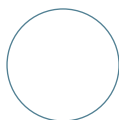
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Sapphire

Application


●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2475	0.2587	12



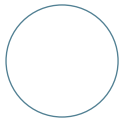
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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

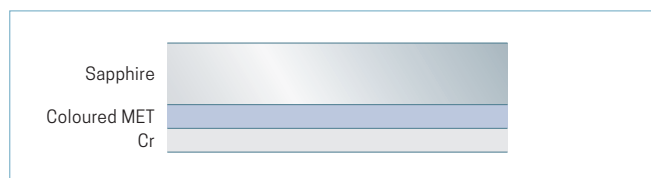
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2885	0.3025	T% 57

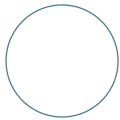
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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2684	0.2935	T% 18
		

Product structure



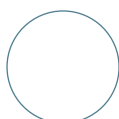
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M101 Bleu direct

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.2196	0.2386	10

Product structure



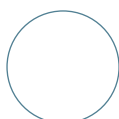
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M107 Bleu indirect

Coloured MET



Sapphire

Application


●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2470	0.2620	13



Product structure



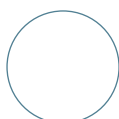
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M119 Bleu T12.5% indirect

Smoky MET Intense



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2205	0.2539	T% 12.7
		

Product structure



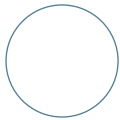
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M124 Bleu T8% indirect

Smoky MET Intense



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3059	0.3318	T% 8

Product structure



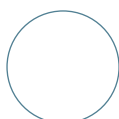
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M135 Bleu T33.4% indirect

Smoky MET Intense



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

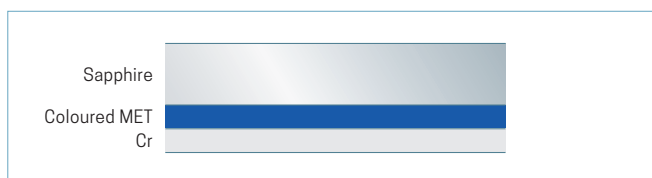
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2366	0.2757	T% 33.4
		

Product structure



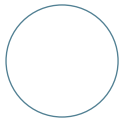
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M142 Bleu T20% indirect

Smoky MET Intense



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3494	0.3574	T% 20

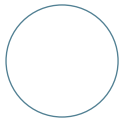
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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

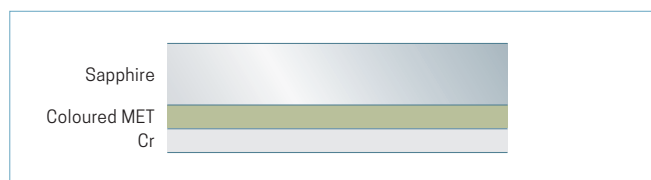
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3380	0.3820	T% 50
		

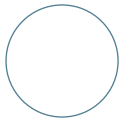
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Sapphire


Application

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	Dials
	FusedSilica

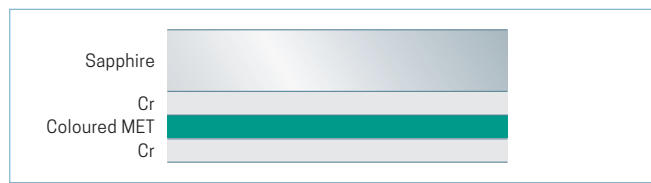
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2462	0.3765	29
		

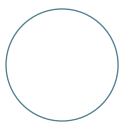
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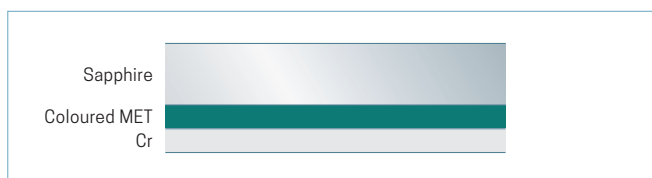
Colorimetry

x	y	Y
0.2640	0.3540	16
		

Colorimetry with colourless AR

x	y	Y
0.2278	0.4063	11
		

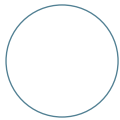
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	Dials
	FusedSilica

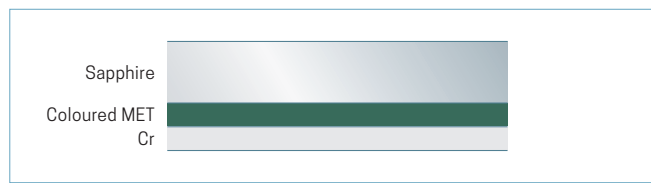
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2981	0.3742	19

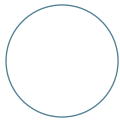
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
 - Ethanol with 5% isopropyl alcohol (F25-A+IPA), Alcosuisse, Bern
 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

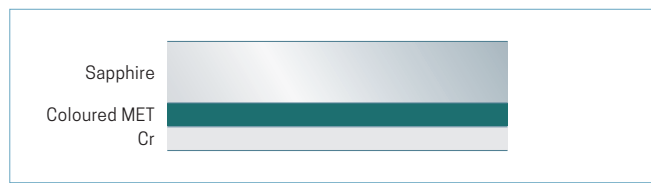
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2725	0.3368	15
		

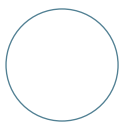
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

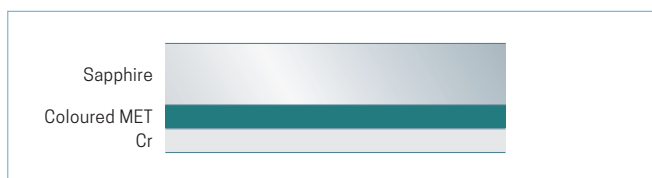
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2656	0.3328	20
		

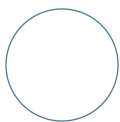
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

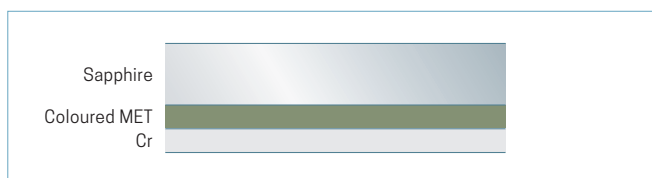
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3350	0.3800	28
		

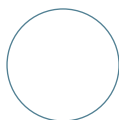
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

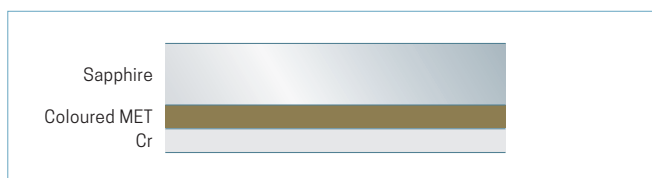
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3797	0.3954	21

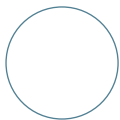
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

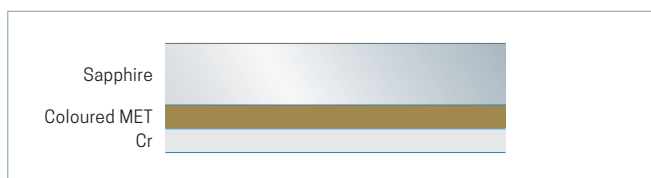
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3965	0.4075	26
		

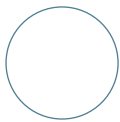
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

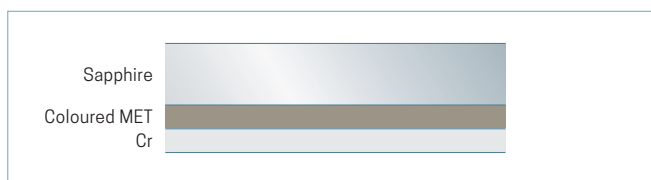
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3368	0.3526	T% 31
		

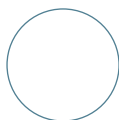
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

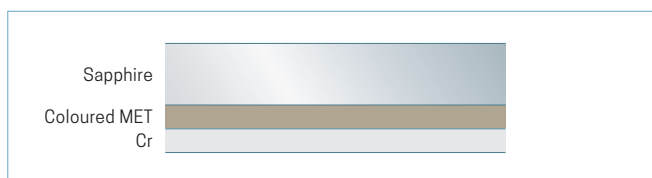
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3410	0.3571	T% 38
		

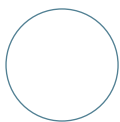
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

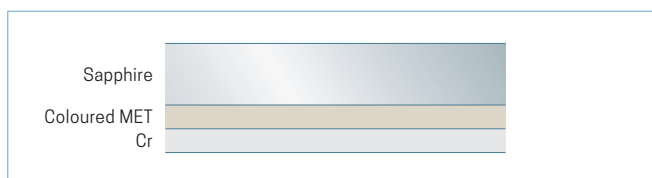
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3279	0.3436	T% 70

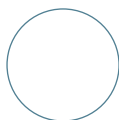
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

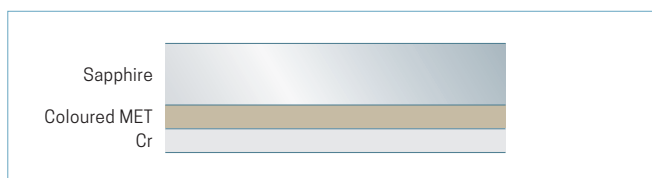
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3450	0.3660	T% 50
		

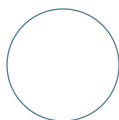
Product structure



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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

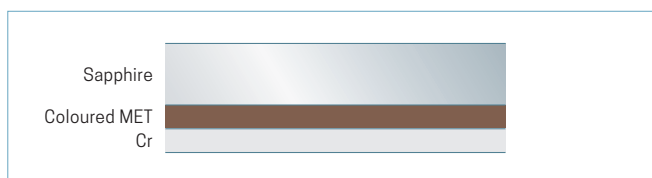
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3821	0.3524	13
		

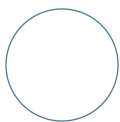
Product structure



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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

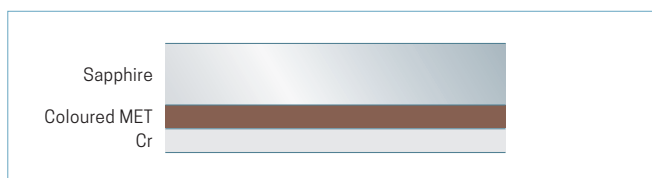
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3873	0.3526	14
		

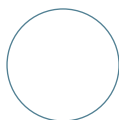
Product structure



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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

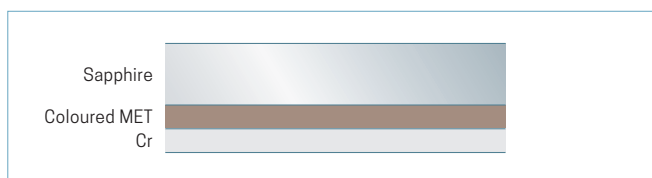
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3645	0.3556	24
		

Product structure

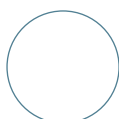


Cleaning instructions

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- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

M122 Brun T9.6% indirect Smoky MET



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

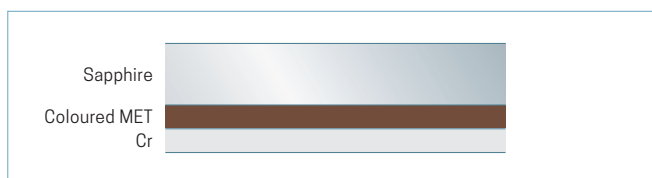
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.4283	0.3737	T% 9.6
		

Product structure



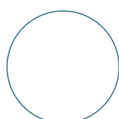
Cleaning instructions

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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

M136 Brun indirect

Coloured MET



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

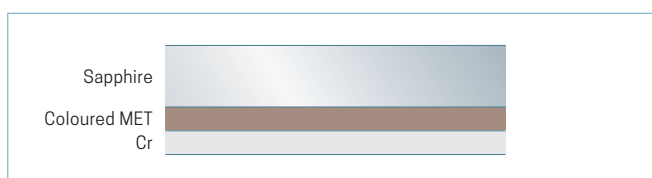
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3432	0.3425	9.3
		

Product structure



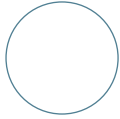
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- Use one of the following approved cleaning alcohols:
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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG

M139 Aubergine T10% indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

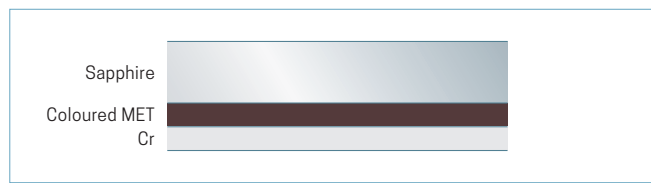
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3715	0.3365	T% 10

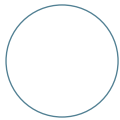
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

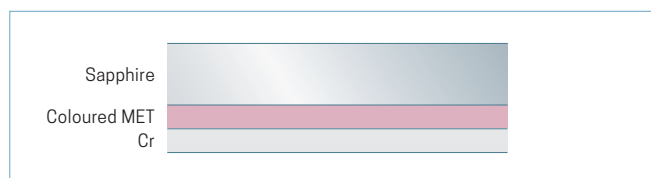
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3383	0.3106	T% 50
		

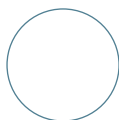
Product structure



Cleaning instructions

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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.4022	0.3211	13
		

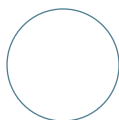
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3871	0.3182	13

Product structure



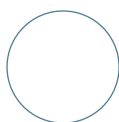
Cleaning instructions

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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

M100 Bordeaux Pantone indirect

Smoky MET



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica


Visibility

●	Through the sapphire
	From above
	2 sides

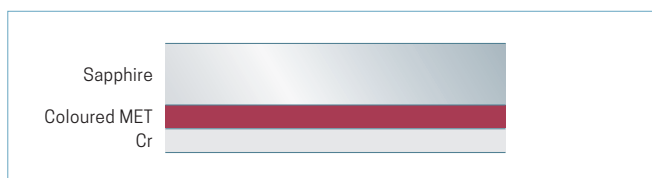
Colorimetry

x	y	Y
0.5028	0.2967	T% 9
		

Colorimetry with colourless AR

x	y	Y
0.5158	0.2995	T% 10
		

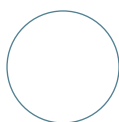
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

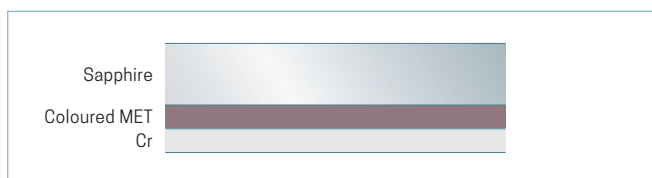
Colorimetry

x	y	Y
0.3344	0.3122	20

Colorimetry with colourless AR

x	y	Y
0.3437	0.29	14

Product structure



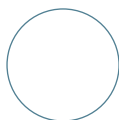
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

Noir indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3130	0.3297	12

Colorimetry with colourless AR

x	y	Y
0.3219	0.3345	5

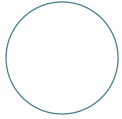
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3094	0.3244	9

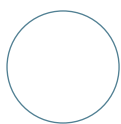
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
 - Ethanol with 5% isopropyl alcohol (F25-A+IPA), Alcosuisse, Bern
 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire + Dial

Application

●	Sapphire
●	Dials
	FusedSilica

Visibility

	Through the sapphire
	From above
●	2 sides

Colorimetry

x	y	Y
0.3130	0.3300	12

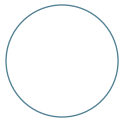
Product structure

Sapphire	
Coloured MET	
Cr	
Coloured MET	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3015	0.3223	12

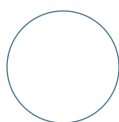
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3125	0.3280	11

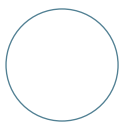
Product structure

Coloured MET	
Cr	
Sapphire	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

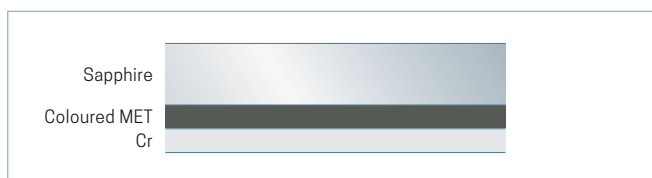
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3273	0.3432	10
		

Product structure



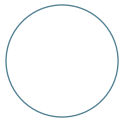
Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

M123 Noir indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3010	0.3190	9

Product structure



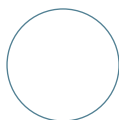
Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG

Anthracite indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

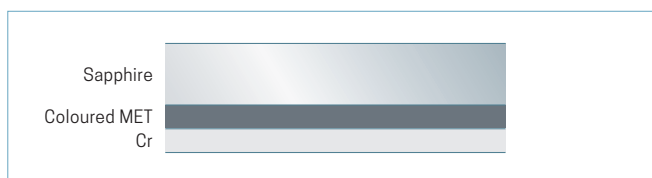
Colorimetry

x	y	Y
0.2945	0.3100	19

Colorimetry with colourless AR

x	y	Y
0.2839	0.3	13

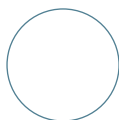
Product structure



Cleaning instructions

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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3100	0.3270	17
		

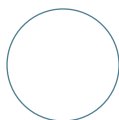
Product structure

Coloured MET	
Cr	
Sapphire	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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 - Ethanol Absolute A 15 O (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

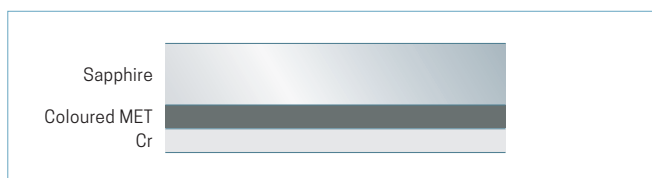
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3145	0.3324	18

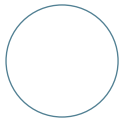
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3142	0.3380	21

Product structure



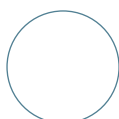
Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
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M108 Anthracite indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

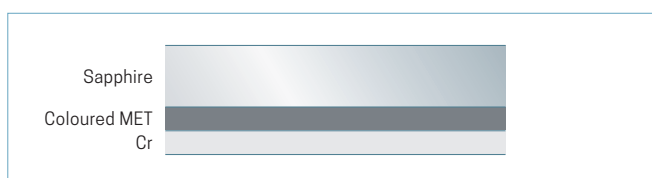
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.2985	0.3133	16

Product structure



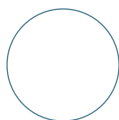
Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG

M130 Anthracite indirect

Coloured MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

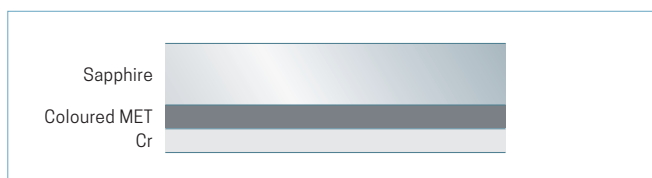
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3026	0.3202	18

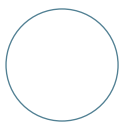
Product structure



Cleaning instructions

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

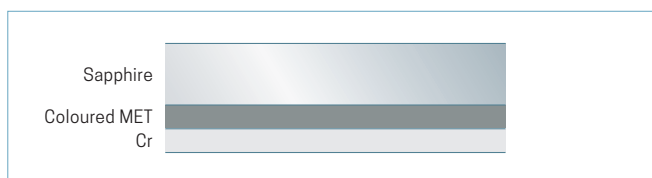
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3130	0.3327	29

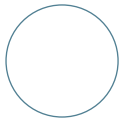
Product structure



Cleaning instructions

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
	From above
●	2 sides

Colorimetry

x	y	Y
atls: 0.355 dld: 0.355	atls: 0.356 dld: 0.358	atls: 29 dld: 38

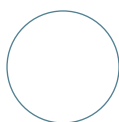
Product structure

Sapphire	
Coloured MET	
Cr	
Coloured MET	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3574	0.3709	60

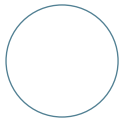
Product structure

Coloured MET	
Cr	
Sapphire	

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Please observe the following instructions on how to clean treated glasses:

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

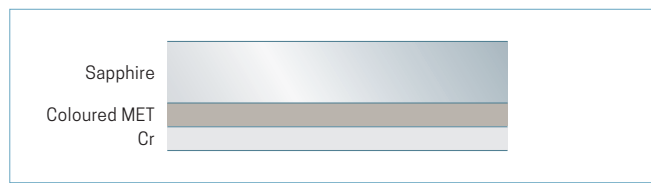
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3320	0.3445	41
		

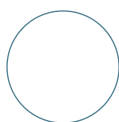
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica


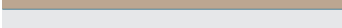

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3550	0.3580	38
		

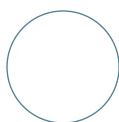
Product structure

Coloured MET	
Cr	
Sapphire	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

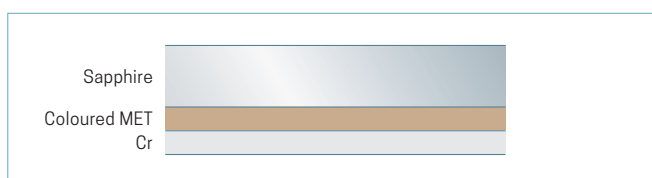
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3682	0.3699	46
		

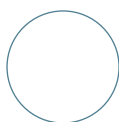
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

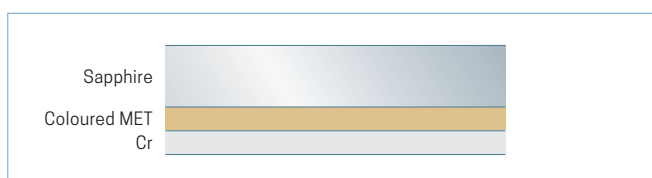
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3845	0.3924	54
		

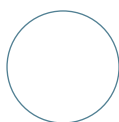
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

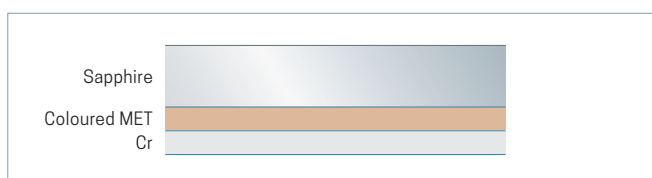
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3706	0.3642	53
		

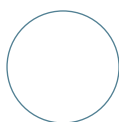
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

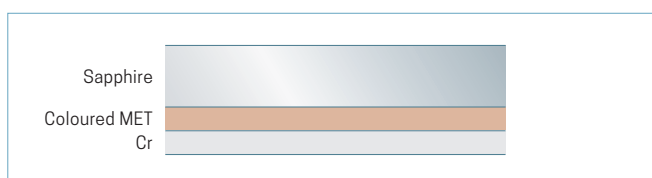
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3697	0.3586	52
		

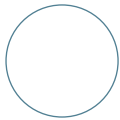
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

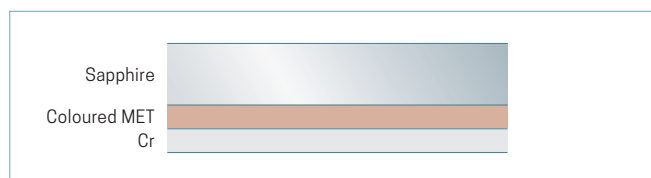
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3630	0.3522	49
		

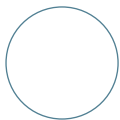
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

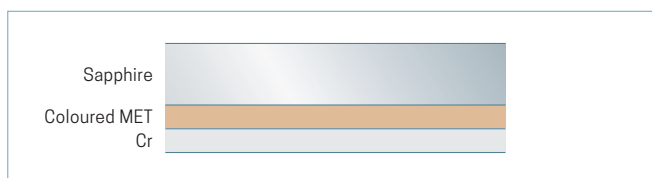
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3733	0.3753	55
		

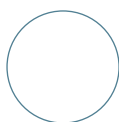
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

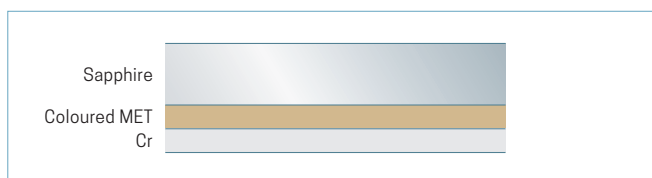
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3720	0.3820	50
		

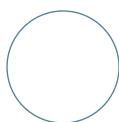
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

- Glasses can be cleaned easily in a neutral solution using ultrasound and at temperatures of up to 60 °C.
- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
 - Ethanol with 5% isopropyl alcohol (F25-A+IPA), Alcosuisse, Bern
 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

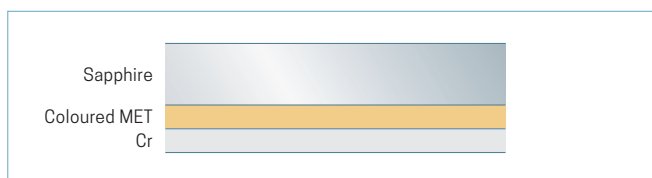
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3965	0.4050	63

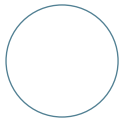
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

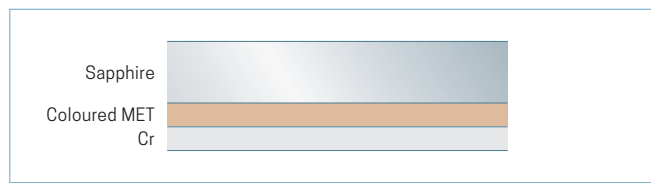
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3690	0.3685	54
		

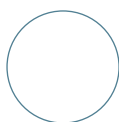
Product structure



Cleaning instructions

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3810	0.3959	76

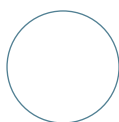
Product structure

Coloured MET	
Cr	
Sapphire	

Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

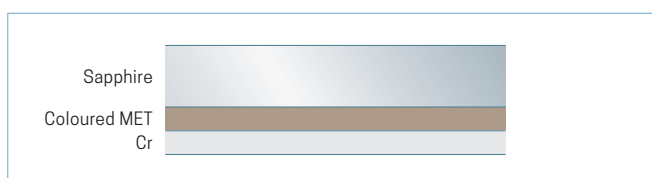
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3590	0.3600	29
		

Product structure



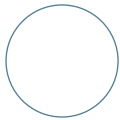
Cleaning instructions

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M118 Au 1N indirect

MET Gold



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

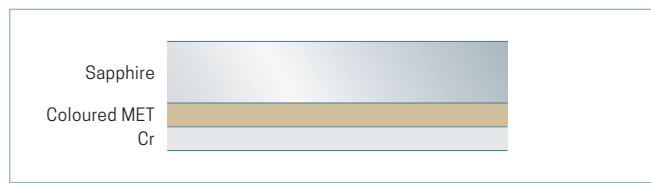
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3532	0.3708	58
		

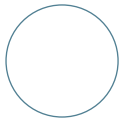
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3246	0.3403	63
		

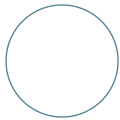
Product structure



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Sapphire

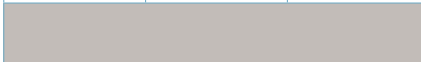
Application

●	Sapphire
	Dials
	FusedSilica

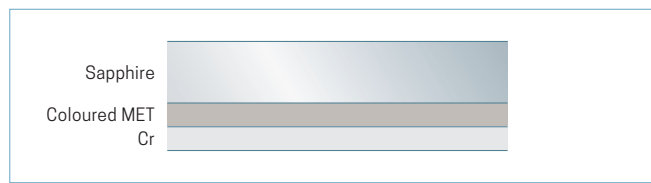
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3222	0.3370	51
		

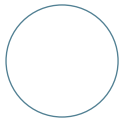
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3115	0.3168	T% 20
		

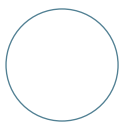
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3117	0.3194	T% 30
		

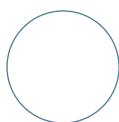
Product structure



Cleaning instructions

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Sapphire

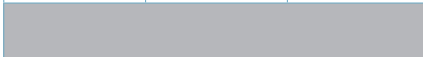
Application

●	Sapphire
	Dials
	FusedSilica

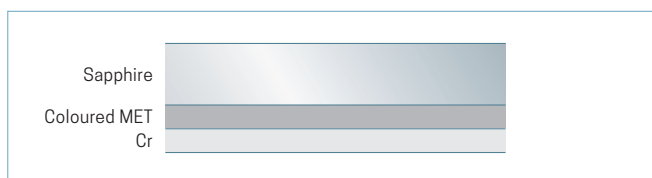
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3100	0.3260	T% 50
		

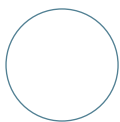
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

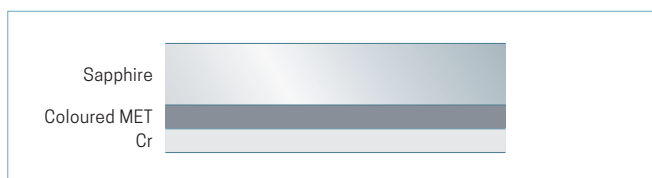
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3060	0.3210	T% 29

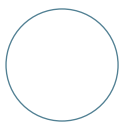
Product structure



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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

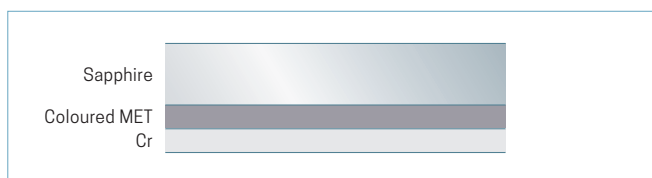
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3110	0.3190	T% 35
		

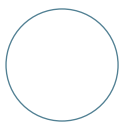
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

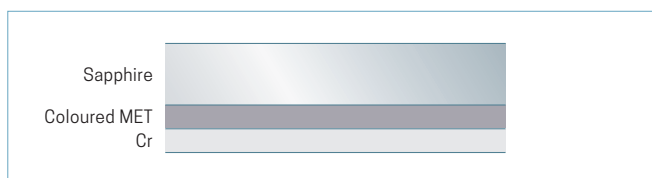
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3110	0.3202	T% 40
		

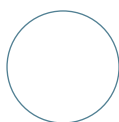
Product structure



Cleaning instructions

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

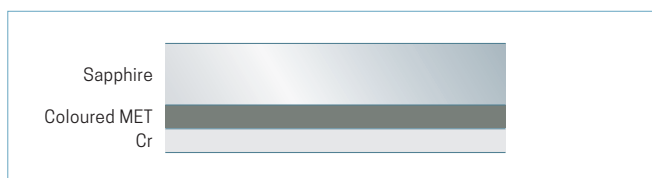
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3200	0.3415	22

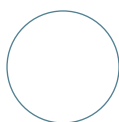
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
	From above
●	2 sides

Colorimetry

x	y	Y
0.318	0.3337	42

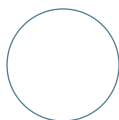
Product structure

Sapphire	
Coloured MET	
Cr	
Coloured MET	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

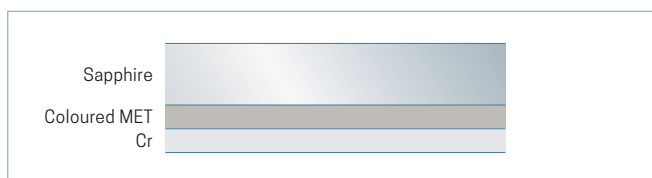
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3226	0.3388	52
		

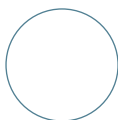
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3140	0.3298	T% 80

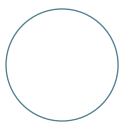
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

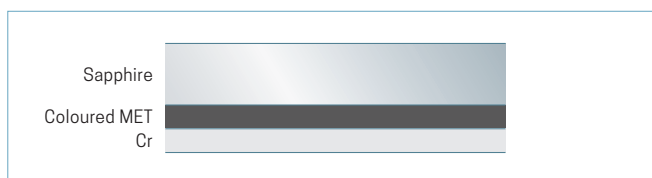
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3239	0.3259	T% 10

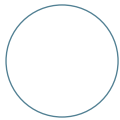
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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

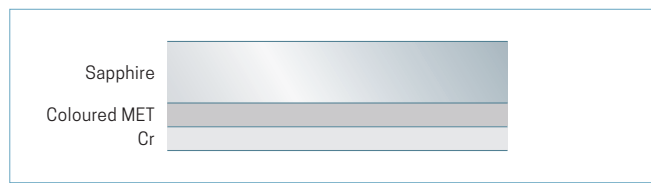
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3130	0.3280	T% 62

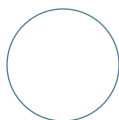
Product structure



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Sapphire

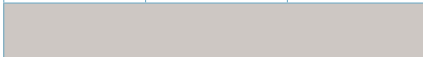
Application

●	Sapphire
	Dials
	FusedSilica

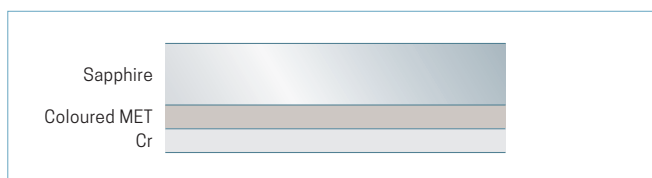
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3220	0.3350	58
		

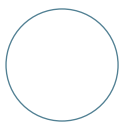
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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

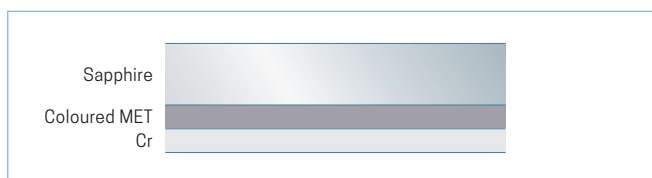
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3110	0.3202	T% 37
		

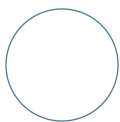
Product structure



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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

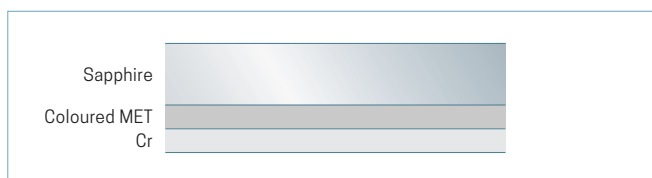
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3130	0.3280	T% 67

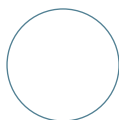
Product structure



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Please observe the following instructions on how to clean treated glasses:

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- When cleaning by hand, we recommend wearing single-use, powderfree latex gloves and using a lint-free cloth.
- Use one of the following approved cleaning alcohols:
 - Ethanol with 5% isopropyl alcohol (F25-A+IPA), Alcosuisse, Bern
 - Ethanol Absolute A 15 0 (02883), Sigma-Aldrich, Buchs SG



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

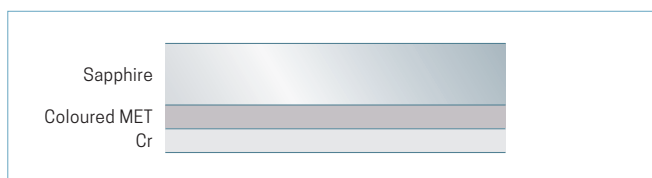
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3124	0.3250	T% 57
		

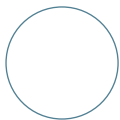
Product structure



Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
	From above
●	2 sides

Colorimetry

x	y	Y
0.3080	0.3267	45

Colorimetry with colourless AR

x	y	Y
0.3128	0.3304	54

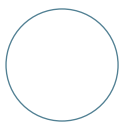
Product structure

Sapphire	
Coloured MET	
Cr	
Coloured MET	

Cleaning instructions

Please observe the following instructions on how to clean treated glasses:

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3116	0.3182	T% 25
		

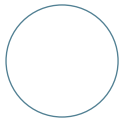
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

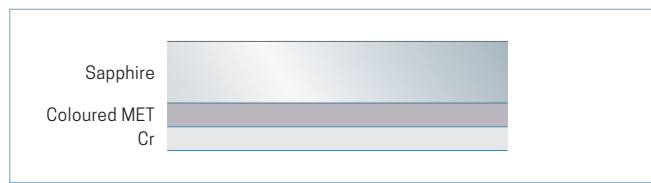
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3123	0.3236	T% 50
		

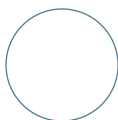
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica



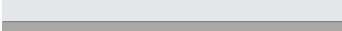

Visibility

	Through the sapphire
	From above
●	2 sides

Colorimetry

x	y	Y
0.3220	0.3364	41
		

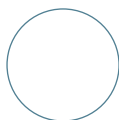
Product structure

Sapphire	
Coloured MET	
Cr	
Coloured MET	

Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

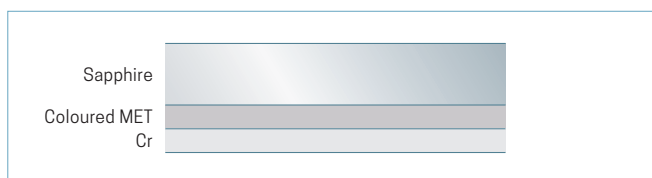
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3125	0.3254	T% 60
		

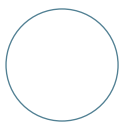
Product structure



Cleaning instructions

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Sapphire

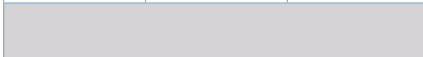
Application

●	Sapphire
	Dials
	FusedSilica

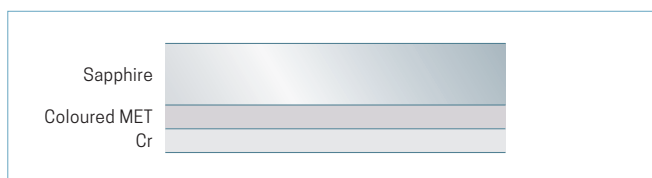
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3127	0.3270	T% 70
		

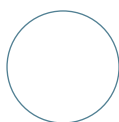
Product structure



Cleaning instructions

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Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

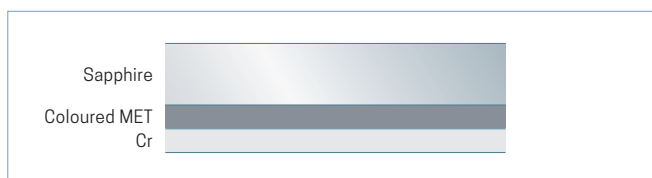
Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3060	0.3210	T% 29
		

Product structure



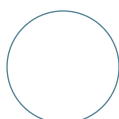
Cleaning instructions

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M125 Gris T57% indirect

Smoky MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3152	0.3295	T% 57

Product structure



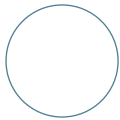
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M126 Gris T30% indirect

Smoky MET



Sapphire


Application

●	Sapphire
	Dials
	FusedSilica

Visibility

●	Through the sapphire
	From above
	2 sides

Colorimetry

x	y	Y
0.3158	0.3258	T% 30
		

Product structure



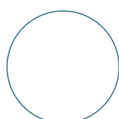
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M117 Gris T20% direct

Smoky MET



Sapphire

Application

●	Sapphire
	Dials
	FusedSilica

Visibility

	Through the sapphire
●	From above
	2 sides

Colorimetry

x	y	Y
0.3210	0.3286	T% 20

Product structure

Smoky MET	
Cr	
Sapphire	

Cleaning instructions

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« De l'innovation naît l'émotion. »

