

Declaration of Performance/ Leistungserklärung 3M High Intensity Prismatic 3930

Construction Product Code / Bezeichnung des Bauproduktes

Microprismatic Retroreflective Sheeting

1. 3M High Intensity Prismatic Series 3930
2. 3M High Intensity Prismatic Series 3930 + 3M Electrocut Film Series 1170
3. 3M High Intensity Prismatic Series 3930 printed with 3M Process Colour Series 880 I or N
4. 3M High Intensity Prismatic Series 3930 printed with 3M Process Colour Series 4700
5. 3M High Intensity Prismatic Series 3930 + 3M Piezo Inkjet Ink Series 8800UV + 3M Electrocut Film 1170
6. 3M High Intensity Prismatic Series 3930 + 3M Piezo Inkjet Ink Series 8800UV + 3M Dew Resistant Overlay Film 1180
7. 3M High Intensity Prismatic Series 3930 + 3M Premium Protective Overlay Film 1160
8. 3M High Intensity Prismatic Series 3930 + 3M Electrocut Film Series 1170 + 3M Premium Protective Overlay Film 1160
9. 3M High Intensity Prismatic 3930 + 3M Electrocut Film 1176 with or without 3M Protective Overlay Film
10. 3M High Intensity Prismatic Series 3930 printed with 3M Process Colour Series 4700 + 3M Premium Protective Overlay Film 1160
11. 3M High Intensity Prismatic Series 3930 + 3M Piezo Inkjet Ink Series 8800UV + 3M Premium Protective Overlay Film 1160
12. 3M High Intensity Prismatic Series 3930 + 3M Dew Resistant Overlay Film 1180
13. 3M High Intensity Prismatic Series 3930 + 3M Electrocut Film Series 1170 + 3M Dew Resistant Overlay Film 1180

Intended Use / Verwendungszweck

The construction product is used to manufacture sign faces for permanent traffic signs. The intended use includes, for example:

- Retro-reflective signs, retro-reflective and transilluminated signs (see also EN 12899-1)
- Variable message signs (see also EN 12966-1)

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Das Bauprodukt wird für die Herstellung von Signalbildern von ortsfesten, vertikalen Verkehrszeichen verwendet. Der Verwendungszweck schließt z.B. ein:

- Retroreflektierende Verkehrszeichen, retroreflektierende und innenbeleuchtete Verkehrszeichen (siehe EN 12899-1)
- Wechselverkehrszeichen (siehe EN 12966-1)

Manufacturer / Hersteller



3M Deutschland GmbH
Carl-Schurz-Str.1
D – 41453 Neuss

Assessment and Verification of Constancy of Performance / Bewertung und Überprüfung der Leistungsbeständigkeit

System 1

StrAus-Zert, notified body 0913, Steinhausstr. 79, D-58099 Hagen performs the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the certificate of conformity 0913-CPD-2012 / 02.

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StrAus-Zert, notifizierte Stelle Nr. 0913, Steinhausstr. 79, D-58099 Hagen führt die laufende Überwachung, Beurteilung und Anerkennung der werkseigenen Produktionskontrolle nach System 1 durch und hat die Konformitätsbescheinigung 0913-CPD-2012 / 02 ausgestellt.

UBAtc, Rue du Lombard 42, B-1000 Brussels, performed the initial type testing and initial inspection of the factory and the FPC under system 1 and issued ETA 11/0426, ETA 11/0427 and ETA 13/0304

UBAtc, Rue du Lombard 42, B-1000 Brussels, führte die Erstprüfung und Erstinspektion des Werks und der werkseigenen Produktionskontrolle nach System 1 durch und hat ETA 11/0426, ETA 11/0427 und ETA 13/0304 ausgestellt.

Declared Performance / erklärte Leistung (ETA 11/0426, 11/0427, 13/0304)

Safety in Use / Nutzungssicherheit

Essential Characteristics / Wesentliche Merkmale	Performance / Leistung	Technical Specification / Technische Spezifikation
Visibility Characteristics		
Daytime Colour and Luminance Factor	Pass, Class B1 & B2	ETA 11/0426, ETA 11/0427, ETA 13/0304
Coefficient of Retroreflection	Class R2 (Europe)	
Rotational Symmetry	Pass	
Impact Resistance	Pass	
Durability		
Daytime Colour and Luminance Factor	Pass, Class B1 & B2 (after exposure)	ETA 11/0426, ETA 11/0427, ETA 13/0304
Coefficient of Retroreflection	Pass (> 80% after exposure)	

The performance of the construction product identified above is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer /

Die Leistung des oben genannten Bauproduktes entspricht der erklärten Leistung. Verantwortlich für die Erstellung dieser Leistungserklärung ist allein der Hersteller.

Neuss, august 2013



John Jackson
3M Technical Director

**Amendment to the Declaration of Performance
'3M High Intensity Prismatic 3930'**

This declaration covers the product 'Microprismatic retroreflective sheeting'. Sign plates or complete assemblies of fixed vertical road traffic signs according to EN 12899-1:2007 can be manufactured with the following products and product combinations, according to ETA 11/0426, ETA 11/0427 and ETA 13/0304.

Components	Trade name	Colours/code
Micro-prismatic retro-reflective sheeting	3M™ High Intensity Prismatic Reflective Sheeting Series 3930	White 3930
		Red 3932
		Yellow 3931
		Green 3937
		Blue 3935
Overlay film	3M™ Electrocut Film Series 1170	Yellow 1171
		Red 1172
		Blue 1175
		Green 1177
		Brown 1179
		Dark Green (Green2) 1176
		Colourless 1170
Process colour	3M™ Process Colour Series 880 I or N	Yellow 884I or N
		Red 882I or N
		Blue 883I or N
		Green 888I or N
		French Red 889I or N
Process colour	3M™ Process Colour Series 4700	Yellow
		Red
		Blue
		Green
Process colour for digital printing	3M™ Piezo Inkjet Ink Series 8800 UV	Yellow
		Red
		Blue
		Green
		Brown
Protective Overlay films	3M™ Premium Protective Overlay Film 1160 (anti-graffiti)	
	3M™ Dew Resistant Overlay Film 1180	
	3M™ Protective Overlay Film 1150	