

COLORDUR® DX53

TECHNICAL DATA SHEET

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The steel sheet is coated with a two-layer paint system consisting of a primer and a topcoat, with a nominal dry film thickness of 35 µm. This coating provides good to very good forming properties and good weather resistance. In combination with the ZM120 coating, Zambelli COLORDUR® DX53 is suitable for use in roof drainage systems in environments with atmospheric conditions up to corrosivity category C4 in accordance with DIN EN ISO 12944-2 (Table 6), provided there is a minimum distance of more than 3 km from coastal or saltwater zones.

TECHNICAL DATA

PROPERTY	TEST STANDARD	VALUE
Typical dry film thickness (total)	DIN EN 13523-1	35 µm
Gloss level (60°)	DIN EN 13523-2	0 - 10 GE
Adhesion (cross-cut test)	DIN EN ISO 2409	GT 0
Adhesion after indentation	DIN EN 13523-6	6 mm/ GT 0
Adhesion after bending	DIN EN 13523-7	max. 1T, no tearing
Flexibility (T-Bend)	DIN EN 13523-7	max. 2T, no cracking
Solvent resistance (MEK test)	DIN EN 13523-11	> 100 double rubs
Pencil hardness	DIN EN 13523-4	HB-F
Buchholz hardness	DIN EN ISO 2815	min. 90
Resistance to cracking during rapid deformation (Reverse Impact)	DIN EN 13523-5	min. 8 J
Salt spray resistance	DIN EN ISO 9227 DIN EN ISO 4628-2 DIN EN ISO 4628-8	After 360 h: average under film corrosion at scribe max. 2 mm, no blistering on the surface
Temperature resistance		up to 60 °C
Ideal processing temperature	In accordance with „Characteristic Features 093 - Organic coil-coated flat steel products“	> 18 °C (material temperature)
UV resistance category	DIN EN 10169	RUV4
Scratch resistance	Based on DIN EN 13523-12	≥ 30 N



PROCESSING GUIDELINES

Installation must follow standard industry guidelines, e.g. the most current plumbing regulations.



GUARANTEES

Warranty terms of up to 20 years may be available. Contact us for more information



RECYCLING

Steel is fully recyclable and has a high economic value as scrap.



NOTE

The information provided in this document reflects the current state of our knowledge and experience. This data sheet is for informational purposes only and does not constitute a binding guarantee. No liability is assumed for completeness or accuracy.



Further information available at:
www.zambelli.com/colordur