

Technical data



Hard Coat Glossy Rainwater System

	Plannja Hard Coat is a polyester designed for rainwater system. Provides good weathering and UV-resistance with balance between flexibility and hardness for producing rainwater system.		
Base material	Continuous hot dipped galvanised steel in quality according to EN 10346:2009 EN 10143:2006		
Pretreatment	Chemical cleaning and chromating		
Coating system	Front side:	1. Primer 10-15 µm 2. Topcoat Polyester 20-25 µm	
	Reverse side:	1. Primer 10-15 µm 2. Topcoat polyester 20-25 µm	
	Quality	Test methods	Results
	Film thickness	ECCA test method No T1	see above
	Gloss	ECCA test method No T2	40 ± 6
	Flexibility (T-bend)	ECCA test method No T7	0 T
	Pencil Hardness	ECCA test method No T4	>B
	Adhesion	ECCA test method No T6	8 mm No removal
	Impact resistance	ECCA test method No T5 -T6	>17J
Heat resistances	ECCA test method No T13	100°C	
Cold forming	The formability decrease below 0°C, which may cause microcracks in the bend		
Resistance to chemicals	Acid bases	excellent	
	Aliphatic hydrocarbons	excellent	
	Aromatic hydrocarbons	very good	
	Alcohol's	excellent	
	Ketones	very bad	
	Chlorinated hydrocarbons	bad	
	Mineral oils	excellent	
Corrosion protection category	RC4 according to EN 10169 - 2		
UV resistance category	Ruv3 according to EN 10169 - 2		