

PVDF Coating System

Technical Data

Areco PVDF coating system with excellent performance in terms of durability and formability. The PVDF coating has high colour retention, is dirt-repellent, and is well-suited for sheet metal on facades. PVDF in combination with alu-zinc coating provides very good corrosion protection, up to corrosion class RC4. 20-year warranty, see specific document Areco WARRANTY.

Base material	Continuously hot-dip coated steel sheet according to EN10346, colour-coated according to EN 10169.	
Pre-treatment	Chemical cleaning	
Coating system	Visible side:	25 µm (incl. primer layer 5-7 µm)
	Reverse side:	7 µm baksidesskipt (epoxy)
	Properties	Test method
	Paint thickness:	EN 13523-1
	Gloss:	EN 13523-2
	Bendability, radius: (T-bend)	EN 13523-7
	Scratch resistance	EN 13523-12
	Adhesion	EN 13523-6
	Impact resistance	EN 13523-5
Maximum operating temperature	90 °C	
Processing in cold conditions	Formability decreases at temperatures below 0°C, with a risk of microcracks in the bend. Processing at temperatures below -10°C should be avoided.	
Resistance to chemicals	Acids	Resistant
	Bases	Limited durability
	Aliphatics	Resistant
	Aromatic compounds	Resistant
	Alcohols	Resistant
	Ketones	Mostly resistant
	Chlorinated hydrocarbons	Resistant
	Mineral oils	Resistant
Reaction to fire	A1 s1 d0 according to EN13501-1	
Anti-slip	Properties corresponding to other strip-coated sheet metal materials	
Corrosion category	RC4 according to EN 10169	
UV category	Ruv5 according to EN 10169	

