

# Polyester Coating System

## Technical Data

Areco's Polyester coating system on a base of polyester resin is the most economical system when a corrosivity category of C1-C3 is required. The coating system exhibits very good properties outdoors and a balance between flexibility and hardness/surface durability. The coating has a very good gloss and colour stability, as well as excellent resistance to metal blackening and good corrosion protection. 10 year quality warranty.

<b>Base material</b>	Continuously hot-dip galvanised sheet steel according to SS-EN 10142:2004		
<b>Pre-treatment</b>	Chemical cleaning, chrome activation		
<b>Coating system</b>	Visible side:	25 µm (incl. primary layer 5-7 µm)	
	Reverse side:	7-10 µm Reverse side varnish (epoxy)	
	<b>Properties</b>	<b>Test method</b>	<b>Data</b>
	Paint thickness:	ECCA test method No T1, ISO 10169	see Figure
	Gloss:	ECCA test method No T2 SS 18 41 84	30
	Bendability, radius: (T-bend)	ECCA test method No T7 SS 18 41 87	1 – 2T
	Hardness:	ECCA test method No T4 SS 18 41 87	2H – 4H
	Adhesion:	ECCA test method No T6 SS 18 41 72	pass.
	Impact resistance:	ECCA test method No T5	>17 J
	Temperature:	ECCA test method No T13	80-100 °C
<b>Cold weather working</b>	Ductility drops below 0°C, micro-cracks form in the bend. Working below -10°C should be avoided.		
<b>Resistance to chemicals</b>	Acids and bases:	Excellent	
	Aliphatics:	Excellent	
	Aromatic compounds:	Very good	
	Alcohols:	Excellent	
	Ketones:	Very poor	
	Chlorinated:	Poor	
	Mineral oils:	Excellent	
<b>Anti-slip</b>	Anti-slip coated construction sheet metal		
<b>Corrosion category</b>	RC3 according to EN 10169-2		
<b>UV category</b>	Ruv3 according to EN 10169-2		

