

KARAT Coating System

Technical Data

Areco's KARAT is a high quality coating system with a total surface coating of 45-50 µm. The surface is optimised for resistance to wear, scratching and weather. The coating has a very good gloss and colour stability as well as excellent corrosion protection up to environmental category C5. We give a 20 year warranty with this product.

Base material	Continuously hot-dip galvanised sheet steel conforming to SS-EN 10142, with a zinc weight class of Z350 SS-EN 10142, i.e. corresponding to 350 g/m ² double sided in a three point test.		
Pre-treatment	Chemical cleaning, chrome activation		
Coating system	Visible side:	45-50 µm (incl. primary layer)	
	Reverse:	5-10 µm Reverse side varnish	
	Properties	Test method	Data
	Paint thickness:	ECCA test method No T1, ISO 10169	see Figure
	Gloss:	ECCA test method No T2 SS 18 41 84, ISO 10169	40 ± 6 %
	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	HB - F
	Adhesion:	ECCA test method No T6 SS 18 41 72	utan anmärk.
	Impact resistance:	ECCA test method No T5-T6	>160 J
	Temperature:	ECCA test method No T13	100 °C
Cold weather working	Ductility drops below 0°C, micro-cracks form in the bend. Working below 0°C should be avoided.		
Resistance to chemicals	Acids and bases:	Excellent	
	Aliphatics:	Excellent	
	Aromatic compounds:	Poor	
	Alcohols:	Excellent	
	Ketones:	Very poor	
	Chlorinated:	Poor	
	Mineral oils:	Excellent	
Fire resistance classification	Flameproof surface coating class 1		
Anti-slip	Anti-slip properties corresponding to other sheet metal roofing		
Corrosion category	RC5 according to EN 10169-2		
UV category	Ruv3 according to EN 10169-2		

