



KARAT & KARAT Structure
High quality coating systems

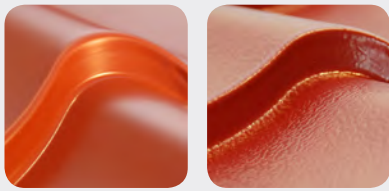
Extra Corrosion Protection

Colour Fastness

Maintenance Friendly

Environmentally Friendly

20-year Warranty



KARAT & KARAT Structure

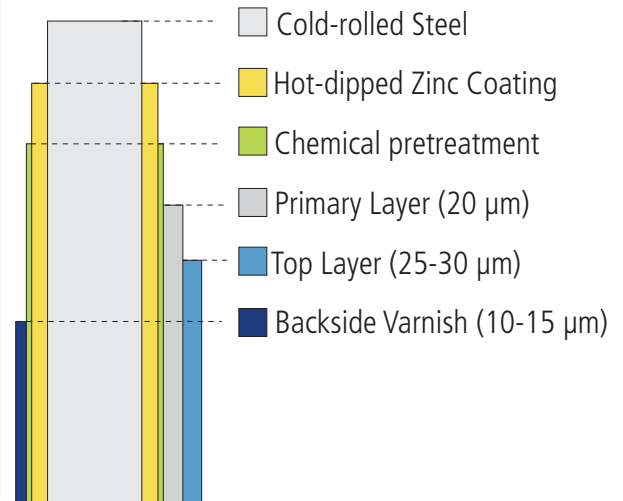
High quality coating systems



Product Features

- With a total thickness of 50 µm KARAT & KARAT Structure are the ultimate coating systems on the market.
- Contains acrylate-grain (inorganic fillers) in the surface layer and is much thicker than regular polyester, resulting in good scratch resistance and corrosion protection.
- KARAT maintains excellent colour and gloss resistance because the thickness of the coating is optimized for maximum wear and weather protection.
- The base material is hot-dipped galvanized steel sheet which is pre-treated in several steps to achieve the best adhesion of chromium-plating, which gives an additional corrosion protection, up to environmental class C4.
- KARAT has good chemical resistance.
- KARAT's paint can easily be touched-up or totally repainted. For more information see our leaflet "Inspection & Maintenance of Areco products" at www.areco.se.
- **KARAT Structure** has the same features as KARAT but with an embossed surface which is unique on the Swedish profiled sheet market.

KARAT & KARAT Structure



Product properties (Data)

Table 1

Application	Product type	Data ¹
Primary layer 1	Specific primers	Norm. 18 µm
Top layer 2	High-built polyester	Norm. 32 µm
Backside	Protection varnish	Approx. 10-15 µm

Table 2

Properties	Test Method	Data ¹
Film thickness	ECCA T1	50 µm + 5 µm
Gloss according to Gardner 60	ECCA T2	15 % + 5 %
Bending ability T-Bend	ECCA T7	1 T
Impact resistance	ECCA T5	160 inlb

Environmental characteristics (Data)

Table 3

Environmental characteristics	Test Method	Data ¹
Salt fog 1000 h	ECCA T8	OK < 3 mm from scribed line
Condensing humidity 1000 h	Cleveland	without blistering
QUV-A uv-lighting 3000 h	ASTM G53-94	E < 1/glansh = 80 %

¹stated values are not absolute. Variations, depending on base materials, thickness, colour, etc. may occur. Comparison values are for oxide-red colour. Maximum operating temperature 100°C. Minimum operating temperature -30°C.

Please contact your local sales representative for more info.

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