C4 coating system

Coating type:
Primer:
2-component epoxy resin coating (2K-epoxy), solvent-based

Single-coat product:
2 pack polyurethane coating (2K-PUR), solvent-based

Characteristics:
Anti-corrosion coating for high corrosion stress (to C4 M in accordance with DIN EN ISO 12944-2), very good corrosion protection, moderate chemical resistance, very good scratch and impact resistance, good UV stability, very good gloss and colour fastness, high weather resistance, long-lasting temperature resistance (dry heat) up to 120° C

Colour:
Epoxy resin primer: light grey
Polyurethane top coat:
RAL 1007 daffodil yellow

Scope of application:
externally:
Industrial areas with moderate and high humidity and aggressive atmospheres, coastal areas with moderate salinity.

internally:
Industrial areas with high humidity and aggressive atmospheres, buildings with almost constant condensation and high level of contamination, boathouses above seawater

Protection period:
(L) Low up to 7 years
(M) Medium 7 – 15 years

Processing information

Dry layer thickness:
100 µm Epoxy primer
80 µm PUR top coat
180 µm Total layer thickness

Ambient temperature: at least + 15° C, not below 0 °C, not above 40 °C
Relative humidity: max. 80%
Object temperature: at least + 10° C and min. 3° C above the dew point
Processing time for primer:
approx. 1 to 2 hours (depending on temperature)
Processing time for top coat:
approx. 4 to 6 hours (depending on temperature)
Primer can be painted over:
after approx. 5 hours

Curing time:
Primer:
Dust-dry after approx. 2 hours
Ready for installation / non-sticky after approx. 4 hours
Top coat:

Degree of dryness at 100 µm DFT
[A temperature that is 10° C lower than this doubles the drying time!]

Ambient temperature + 5 °C + 10 °C + 20 °C
Degree of dryness 1 (dust-dry) ≤ 60 min. ≤ 45 min. ≤ 30 min.
Degree of dryness 3 (non-sticky) 3 – 4 hours 2 - 3 hours 1 - 2 hours
Degree of dryness 6 (grip-dry) approx. 8 hours approx. 6 hours 3 - 4 hours

Author: ABUS Kransysteme GmbH
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