

Paint System "K1-160 µm"

Suitable for Ex machines without restrictions

SCHORCH

This paint system is especially suitable by risk of abrasion, sea water and chemical atmosphere, at high air humidity. For indoor and outdoor applications.

Surface preparation according to DIN EN ISO 12944 part 4 (ISO 8501-1) with SA 2 1/2

The K1-160 µm painting is in accordance with corrosiveness class C4 according to DIN EN ISO 12944 part 2 (protection period "medium" according to DIN EN ISO 12944 part 5)

All parts to be coated must be dry and free from sand, rust, oil and grease!

Priming coat

Designation: EPOXY zinc dust primer (2 components)
Basis: Epoxid resin
Properties: By adding a special hardener, a cross linked primer is obtained which is both tough and elastic. It is highly resistant against fresh and sea water, grease, oil, drilling oil and numerous solvents. In dry condition 92 % pure metallic zinc dust contents; without silicone.
Hue: RAL 7030 (stone-grey), mat
D.F.T.: 80 µm (arithmetic mean)
(Remark: Surfaces which cannot be prepared by steel-blasting, use of special primer)

Intermediate coat

Designation: Acrylic - Polyurethane (PUR) texture-finish paint (2 components)
Basis: Isocyanate web-type acrylic resin
Properties: Resistant against chemical and cleansing agents; appropriately stable to light; without silicone.
Hue: RAL 7031 (blue-grey), silky
D.F.T.: 40 µm (arithmetic mean)

Finishing coat

Designation: Acrylic - Polyurethane (PUR) enamel-finish paint (2 components)
Basis: Acrylic - Polyurethane / aliphatic Isocyanat
Properties: High resistant against chemicals, solvents, mineral oils, fuels and corrosive industrial atmosphere; without silicone.
Hue: RAL (colours can be supplied on request), silky
D.F.T.: 40 µm (arithmetic mean)

Total D.F.T.: 160 µm (arithmetic mean of a minimum of 24 individual values)

Remarks:

Bunche discharge:

Bunche discharge shall not be regarded as ignition for dust/air atmosphere: (see IEC TS 60079-32-1:2011; TRBS 2153:2009)

Electrostatics:

K1-160 µm painting system" is suitable for use in Zone 1, 2, 21, 22 without restrictions, because dry film thickness on surface of housings are smaller than 200 µm.

Avoid particle flow streams capable of generating electrical charges.

Requirements of EN 60079-0 were performed by an independent testing laboratory.

Abt. / Dept.	Q1	Kundenkennung / Item no.:		
Datum / Date	03.03.15	Typ	Description K1-160 µm	ATB Schorch Auftrags-Nr.
Rev. / Rev.	04	Product code	Painting	ATB Schorch ref. no.
Name / Name	Hinrichs	Dok.-Nr. / Doc. no.	8992062021	Seite / Page 1 / 1