TECHNICAL INFORMATION

FREE OF ZINC · LEAD CHROMATES · AROMATIC HYDROCARBONS · XYLENE

Brantho-Korrux ECOPAKT

One-component water-based coating.

PRODUCT FEATURES

O Water-based	O Excellent coverage and stability
O Eggshell finish	O Wide processing window for application
O Corrosion prevention	O Low solvent content (modern 'High-Solid' coating)
O Metal protection (Iron, steel, aluminium)	O Universally suitable (both as a primer or as a finish)
O Excellent adhesion and elasticity properties	O Dirt repellent
O Excellent edge covering, filling and hiding power	O Rapid touch dry time

APPLICATION REFERENCES

Applied as a primer and topcoat on iron, steel and aluminium. Difficult or heavy exposed objects need two coats, ideal for interior application and use in paint shops.

- O Non-toxic. Do not contain heavy metals or mineral acids.
- O Low-solvent content, minimal emissions
- O High solid content and long term protection provide optimum savings of raw materials
- O Easy to clean, no organic solvents or activator required therefore not chemical waste
- O TÜV certified PS PPP 52016/07.96
- O Tested according to: DIN 50017. DIN 50021. DIN-EN-ISO 8565. DIN-EN-ISO 2409. DIN 53210, RAL-UZ-18.

Examples: Steel constructions for building, vehicle chassis, container, transport frames, machines, lap posts, traffic light masts. Can be used on wood, contrete and bricks.

EXAMPLE SUBSTRATES

Iron, steel, stainless steel, aluminium, copper, zinc, old coatings, rust, many hard plastics, glass, concrete, screed

SUMMARISED TECHNICAL INFORMATION

Product description **Ecopakt**

Thinning	Water
Density	ca. 1.4 (depends on colour)
Solids	O 60% (by weight) O 40-45% (by volume)
Viscosity	Thixotropic
Solvent content	ca. 2.5% (by weight)
Coverage	O 10.5 m²/l. at 40µm dry (theoretical) O 5-6 m²/l. at 40µm dry (practical per coat)
Storage stability	6 months free from freezing
Transport stability	Up to a maximum of three days (minimum -10°C)
Colour stability	ca. 80°C
Minimum tenability	The tenability indication on the can implies the warranted tenability in unopened, original cans, in a cool, well-ventilated, dry storage area. The indicated tenability is **no date of maturity**, under normal conditions the coating may be used up to five years without loss of quality. Please use the older cans first, Ecopakt can be applied if the coating materials can be stirred homogeneously

SHORT APPLICATION INSTRUCTIONS

Pre-treatment	O Remove rust and rust scale, loose millscale and all other impurities O Cleaning (degreasing) O Only apply on a well-prepared, clean and dry substrate. Manually prepared derusted surfaces (St 2), wet blasted substrates and flash-rust are acceptable.				
Preparation before application	O Stir well (by hand or machine) or for high-build aerosol cans, shake well O Ideal application temperature: 15-25 °C O Possible application temperature: -10 - +30 °C				
Application	**Type**	**Nozzle**	**Pressure**	**Thinner**	**Viscosity**
	Brush	–	–	–	ca. 150 Sek. (standard)
	Roller	–	–	–	ca. 150 Sek. (standard)
	Airless-spray	0,5-0,7 mm	min. 160 bar	ca. 3%	
	Air pressure-spray	2-2,5 mm	4-5 bar	10%	

Drying times At 20°C and 60% relative humidity, film dry thickness per coat: ca. 40-60µm

O Touch dry: Approximately 30 minutes	O Recoatable: one week
O Dry to handle: Approximately 60-90 minutes	O Fully dried: Approximately one day.

Actual drying times depend on film thickness, ventilation, temperature, relative humidity.

Extensive information regarding disposal, health and safety is available from the safety data sheet.

SUMMARISED TECHNICAL INFORMATION

Spray information

Air atomised 4-4 bar		Airless 150 bar	Airmix 90/3 bar	HVLP 5/1 bar
Nozzle: 1.2-1.7mm	Nozzle: 2.0-2.5mm	Orifice size: 0.28-0.48mm 0.011-0.019"/40°	Orifice size: 0.28-0.43mm 0.011-0.017"/40°	Nozzle: 1.6-2.8mm
0-5% water	0-3% water	0-3% water	0-3% water	0-3% water

- Thorough degreasing is essential before applying our water-based coatings
- Brantho-Korrux Ecopakt should be applied on an intact substrate only.
- Very thorough rust removal is required.
- Apply on a slightly moist substrate. For example, after wet blasting.

After five minutes flash-off time, forced drying with circulation air at 40°C relative humidity it is possible to reach dry to handle in just 15 minutes. Drying with dehumidified air is more effective than elevated temperatures.

Ecopakt in not available in an aerosol.

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