

The economical corrosion protection system

COROFLAKE 24

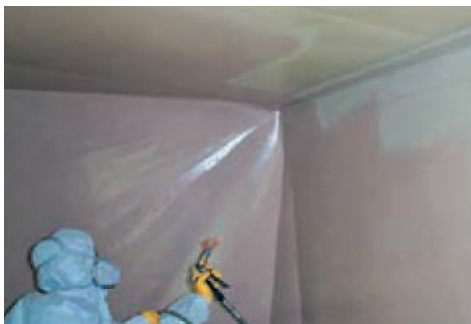
COROFLAKE 24 is a two-component, flake-filled vinyl ester spray coating. The versatility of this system has been proven over many years of successful applications. The Technical Services Department of the RWE Power Group has recognized the superior performance of **COROFLAKE 24**. It has awarded it with its proof of suitability for the inner lining of clean gas ducting of FGD systems in coal fired power plants.

Application areas

The excellent resistance against water vapour diffusion makes **COROFLAKE 24** an ideal corrosion protection for clean gas ducts and scrubber heads in FGD systems. Through the good resistance against acids, alkalies and oxidising media **COROFLAKE 24** can be used as corrosion protection of steel and concrete components in chemical tanks and other plant processing apparatus.



Scrubber head



Airless spraying

Typical fields of use

- Clean gas ducts and scrubber heads for FGD and waste incineration plants
- Steel containers and pipe work in the petroleum industry
- Wastewater treatment plants for the chemical industry
- Various applications for corrosion protection in the pulp industry

Advantages

- Quick, simple processing
- Proven coating system against aggressive media
- High resistance to permeation
- Broad range of applications
- Long and stable shelf life

The economical corrosion protection system

COROFLAKE 24



Industrie

Product properties

Product characteristics	<ul style="list-style-type: none">• Highly reactive, two-component bisphenol-A vinyl ester coating system• Inert flakes act as barrier to diffusion
Processing	<ul style="list-style-type: none">• Airless spraying• Conventional spraying, brushing or rolling
Storage stability	<ul style="list-style-type: none">• 6 months at 20° C• Prolonged shelf life if stored at lower temperatures

Technical data

Temperature resistance	ASTM STP 837	70° C wet (thermally insulated) 120° C dry
Specific weight	DIN EN ISO 1183	1.2 kg/l (mixture)
Viscosity	DIN EN ISO 2884-2 (ASTM D2196-05)	2,750 mPas +/- 250
E-Module	DIN EN ISO 178:2006-04	2,500 - 3,500 MPa
Tensile strength	DIN EN ISO 527	20 MPa
Elongation at break	DIN EN ISO 527	0.5 %
Expansion coefficient	DIN 53752 (ASTM D696-03)	27 - 30 x 10 ⁻⁶ 1/° C
Abrasion	ASTM D 4060-07	92 mg
Water vapour diffusion	ASTM E96/E96M-05	0.0014 perm-inch
Bond strength	DIN EN ISO 4624:2003-08	7 N/mm ² (to C-steel)
Hardness	DIN EN 59	35 Barcol

Full physical properties are reached after 7 days at 23° C and a layer thickness of 1.5 mm.

Available container sizes	COROFLAKE 24	20 kg/5 kg containers
	Hardener No. 1	400 g/100g containers

REMA TIP TOP GmbH
Business Unit Industrie

Gruber Strasse 63
Phone:
Fax:
www.rema-tiptop.com

85586 Poing/Germany
+49 81 21 707 - 245
+49 81 21 707 - 222
info@tiptop.de

Your local contact:

582 1371 - IV.08 Printed in Germany

