



MSS GmbH
Mineral Supply Service

CORROPIPE®

black

Mineral coating system for
tanks and pipelines



MSS GmbH - Your partner for customized solution concepts

Based on knowledge of 30 years of development and experience, the company MSS GmbH offers easy-to-use products in the field of corrosion, building protection, and surface sealing. Our thorough knowledge of the market, innovation and customer input results in reliable, solvent-free, environmentally and user-friendly special products for the fields of corrosion protection in tanks and pipelines and for overhauling and sealing of surfaces used for storing liquids hazardous to groundwater.

Corrosion is a natural process, which converts a refined metal to a more chemically-stable form, such as its oxide, hydroxide, or sulfide. It is the gradual destruction of materials (usually metals) by chemical and/or electrochemical reaction with their environment. Long-lasting and effective corrosion protection is an essential element in the preservation and maintenance of steel and concrete surfaces. MSS GmbH offers with CORROPIPE® black a practicable, robust and economical protection coating against corrosion in the oil and gas industry. The combination of selected natural minerals plus a high-grade reactive fluid produces the ready-to-use mixture.



CORROPIPE® black corrosion protection is a mineral-based system for long-term corrosion protection of installations, tanks and pipelines up to 150°C. The special two-component coating was developed in 2001 for rehabilitation of pipelines and tanks. It was first used for corrosion protection of crude oil production tanks in 2004. Its effectiveness and durability as a mineral corrosion protection system has been tested and certified by numerous independent German and international bodies.

CORROPIPE® is solvent-free and can be used without hesitation in enclosed spaces without the need for any breathing protection equipment. The coating increases the service life of tanks and pipelines, clearly improves the economic efficiency of production facilities and is an effective alternative to new equipment made of stainless steel.

Outstanding product properties

- very good application on stable, rusty steel & all mineral surfaces
- no rust infiltration of the coating
- high-alkaline medium ensures active long-term corrosion protection
- temperature stability of -40°C to +150°C in the humid environment
- high resistance to acids and bases from pH 3,5 to pH 14
- high adhesion force to steel that does not diminish even with multiple load changes
- the expansion coefficient of the material is the same as that of steel
- easy subsequent coating of weld seams in pipelines from DN 600
- extremely low shrinkage of the material
- vapour permeability
- improvement in static loading by integrating fibreglass mats into the coating, e.g. when wall thickness is compromised
- flame-retardant, high level of fire protection
- environmentally-friendly, solvent-free, low-pollution, not a hazardous material
- contact resistance of $\leq 1 \text{ M}\Omega$



Our service

To guarantee the performance and quality of our products, we offer reliable service by our specialised staff and by our trained partner companies for implementation of rehabilitation work.

MSS GmbH

Holzriesen 65a
30179 Hannover

Germany

Tel.: +49 511-26242627

Mail: info@mss-gmbh.net

Web: www.mss-gmbh.net

