

Product's description

Double-component, high thickness, anticorrosive, ferro micaceous based coating.

Mioxide HB is a coating, which can be used as anticorrosive, high thickness, intermediate primer and as epoxy-polyamide resins based finish, with ferro micaceous oxide based pigmentation, containing zinc phosphate modified with filling, lamellar inert particles, providing the product with a flaky armor barrier effect. This composition carries out an effective and long lasting anticorrosive protection, easy applicability and maintenance, quick drying action, high chemical and mechanical strength, strong waterproof power.

Practical advice

Suitable for iron, galvanized iron, light alloys surfaces of new structures; for operational or extraordinary maintenance of petrochemical plants, pilasters, industrial sheds' trusses, pipes, frames, trucks, scrapers, pylons, and miscellaneous structures, exposed to aggressive environments. It is also suitable as high thickness intermediate for cold galvanized surfaces.

Technical features

Aspect	Flat
Color	Red and grey or on demand
Density Kg/Lt	1,60 ± 0,05
Viscosity 25°C	150 sec. ford 4
Solid content by volume %	56 ± 2 %
Theoretical spreading rate Sq.m/lit – gr/m ²	7 Sq.m./l – 230 g/ m ²
Typical thickness humid/dry micron	150 humid / 80 dry
Mixing ratio Base/Hardener	Base = 85 Hardener = 15 by weight
Pot Life	8 hours at 20 °C
Thinner	DPE 310 epoxy or DNT 320 nitro thinner
Painting method	Brush
	Roller
	Spray – not optimal
	Airless Spray
	Nozzle's diameter 1,9 – 2,2 mm
	Tank Pressure 4 – 5 kg/ m ² (atm)
	3 - 6 % thinning
	Nozzle's diameter 0,500 - 0,700 mm
	Compression Ratio 45:1
	Exit Pressure 150 – 180 kg/ m ² (atm)
Drying times 25°C	Untouched :
	Dry to the touch :
	Absolutely dry :
Heat resistance	120 °C outdoors 50 °C in immersion
Min./ Max. over-coating times	12 hrs. / no limitation
Flash point	28 °C
Shelf life	24 months
Standard package	kg 25 – kg 5

Notes

Protect from frost and direct sunlight. Do not use fire nor inflammable materials.

Application instructions

Preparation of the surfaces

Steel: Sandblast with SA 2 degree of the Svensk scale standard SIS 1967 (SSPC SP 6) or by mechanical brushing ST 3 (SSPC AP3). Apply one or two coats of **Mioxide HB** as intermediate and finish primer, with a thickness above 120 – 160 micron dry film; apply a minimum thickness of 80-100 micron – dry film, as intermediate coat to be over-applied with epoxy or polyurethane finish, to ensure a high and long lasting protection.

Galvanized sheet iron: sand and wash properly to remove any trace of oil, which is typical of these kind of substrates. Apply one or two coats of **Mioxide HB** as primer and/or finish, with a minimum thickness of 80 micron – dry film.

Application note: apply at temperatures above 5° or below + 50°, with air relative humidity below 70%. Wash tools immediately after their use with a thinner.

Apply the product in ventilated places, or anyway endowed with an aspiration or ventilation system.

Warning: the product polymerizes, even if soaked in a thinner. Do not apply over external surfaces nor during rainy or windy days.

It is recommended for

Heavy industrial, marine and country aggressive environments. immersion in water and salt solutions, aliphatic compounds, petrol, diesel oil.

It is not recommended for

Constant immersion in aromatic, glycolic thinners, ketones, alcohol, acid alkaline solutions and foodstuffs.

Recommended intermediates and finishes

Zincometal, Inorzinc, Monozinc, Atriaplastic, Atriamastic, Atox HB, Atoxatria.

Safety precautions

The product is inflammable. Respect the safety norms in force for transport, storage and application. In case of application in closed places, provide a proper ventilation or forced exhaust. Do not waste the empty tins in the environment, let them dry and dispose them of as special waste. For any further information, see the technical data.

Tender Item

Application of **Mioxide HB**, double-component, high thickness, epoxy-polyamide based coating with non toxic, ferro micaceous oxide and zinc phosphate based pigmentation, to be applied over iron or cold galvanized surfaces, with a consumption of 0,230 kg/Sq.m. – thickness of 80 micron dry film, excluded practical operating loss.

(*) Le presenti informazioni, seppur ritenute attendibili, debbono essere considerate indicative, la società si riserva il diritto di variarli senza preavviso. L'uso delle presenti informazioni non implica alcuna responsabilità da parte nostra ivi compresa la violazione di eventuale licenza E' responsabilità degli utilizzatori verificare preventivamente l'idoneità del prodotto per l'impiego specifico. Per ulteriori chiarimenti o richieste specifiche riguardanti i prodotti si prega di contattare il responsabile del laboratorio tecnico.