

PRODUCT DATA SHEET

CAP EPOX AR

Epoxy anti-abrasion

CHARACTERISTIC

Epoxy primer / intermediate two-component with high performance, resistant to water and abrasion with excellent anti-corrosion and mechanical resistance features. It can be used with induritore Multiepox HS or induritore Multiepox IN.

USE

It is used as a primer or intermediate both on new surfaces and in maintenance allowing to make protective systems in a simple way. The product is suitable for applications on-site with rapid handling and overcoating.

TECHNICAL DATA

DESCRIPTION	VALUE
Viscosity Brookfield S06-20rpm(A+B)	5000-7000
Specific weight (A+B)	1250-1350 g/l
Application temperature	< +120 °C
Flash point	31°C
Solid by volume (A+B)%	70±2%
VOC (A+B)	260 g/l
Brilliance 60°	15

THICKNESS AND YIELD

	Min.	Max	Recommended
Thickness of dry film (μm)	75	200	160
Thickness of wet film (μm)	107	286	228
Theoretical yield (m ² /l)	9,3	3,5	4,3
Theoretical yield (m ² /kg)	7,2	2,7	3,3

STORAGE

Product is stable till one year as long as it is kept in original and unopened buckets at temperature between +5°C e +30°C.

COLOUR

Grey. Between one production and the other, tint may be slightly different, it is therefore important to finish the job with the same batch.

PREPARATION OF SURFACE
New steel

The surface must be clean and dry, free of oils and other contaminants. Sandblasting Sa2½ (ISO 8501-1) ensures the best performance corrosion.

Surfaces treated with shop primer

If undamaged, clean and free from any dirt, oil, grease, salts and dry, it can be painted otherwise perform the preparation as for coated surfaces.

Coated surface

With primer: it can be painted if the substrate is clean and free of dirt, oil, grease, and the application falls within the maximum re-coat time of the primer. If cleaning is required, perform pressure washing grade Wa 2 (surface free of oil, grease, salt, dirt).

With complete coat: if undamaged compatible and non-chalky perform cleaning from any oil and grease with detergent, then run sanding surface followed by pressure washing to remove dust and salts.

Rusty areas of the substrate and localized maintenance: perform mechanical preparation St2 or St3 followed by pressure washing to remove oil, grease, dust and salt. Sandblasting Sa2 or Sa2½ increases the performance of the coating cycle. Round off the edges of the well anchored painting and restore the original system.

TOOLS

Brush, roller, conventional and airless spray.

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APPLICATION		
Mix ratio in weight	100:13 By Induritore Multiepox HS	
	100:12 By Induritore Multiepox IN	
Mix ratio in volume	100:17,5 By Induritore Multiepox HS	
	100:16 By Induritore Multiepox IN	
Thinning	0-5% by Diluente per Epox	
Induction time	10' with temperature <10°C	
Time of use	Max 2 h a 25°C by Induritore Multiepox IN	
	Max 1 h a 25°C by Induritore Multiepox HS	
Application condition	+5°C +30°C	
	>3°C at dew point	
	Relative humidity: <70%	
Application by conventional spray	Nozzle: 1.7-1,9 mm	
	Air pressure: 3,5-4 kg/cm ²	
Application by airless	Nozzle pressure: 15 MPa (150 kp/cm ² , 2100 psi).	
	Nozzle: 0,43 - 0,58 mm (0,017 - 0,023")	
	Angle range: 40 - 80°	
	Air pressure: Compression ratio: 45:1 (pressure 150-180 kg/cm ²)	
Thinner for washing	Acetone per lavaggio	

DRYING TIME

The given data must be considered as a rough guide. The drying time can be less effective or more, taking into account the applied thickness, ventilation, humidity on environment.

At temperatures below 15 °C it is recommended to use Induritore IN. In case of low temperatures and high humidity it is essential to respect the induction time indicated. There is no limit to the maximum time of over painting, however the best adhesion occurs when the application of the next layer is performed before the complete curing.

Drying time DTF 125 micron by INDURITORE MULTIEPOX HS or INDURITORE MULTIEPOX IN

Surface temperature	25°C
Out touch	8h
Dry touch	24h
Full catalysis	7 days
Minimum time of over application	5h

RECOMMENDED PRIMER/FINISHES

Chlorinated rubber, Vinyl, Epoxy.

RECOMMENDED SYSTEM

Industrial and marine atmosphere

Product	Coat	Wet Thickness	Dry thickness
Cap zinc 14	1	90	60
Cap Epox AR	1	286	200
Pur car 51 HS	1	100	60
Total	3	476	320

Product	Coat	Wet Thickness	Dry thickness
Cap Epox AR	1	200	140
Cap Epox AR	1	200	140
Total	2	400	280

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INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system may vary.

This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample.