

EPOSOL R08

Two component Epoxy paint

NATURE AND USE

Eposol R08 is the result of our long and successful experience in the piping sector.

The cured film when applied on the internal of concrete, steel or cast iron pipes, helps pigging and hydrostatic tests on the pipe, further to provide a considerable improvement of the flow transported, avoiding through time the physical and chemical degradation of the internal substrate of the pipe itself.

The product is suitably studied for the treatment of the concrete conglomerate, EPOSOL R08 combines excellent characteristics of application with good mechanical and chemical resistance (Acid solutions with 1% in H₂SO₄ or basic solutions with 1% in NaOH, sea waters, oils, naphtha, kerosene etc.) and is particularly suitable to coat the internal substrate of industrial products in contact with waste, sewage, brackish waters etc. . EPOSOL R08 can also be used as primer in coating systems for generic steel or light alloys carpentry, thanks to its corrosion protection and adhesion performances. The product, provided that the prescription of the MTDs are fulfilled and following further recommendations given by our technical dept. , can be overcoated with different types of coatings between which epoxy, polyurethane, acrylic, chlorinated rubber based, intumescent coatings etc.

TECHNICAL DATA



Type of Binder:	Epoxy
Specific Gravity A+B:	Kg/ 1,5 ± 0,05 @ +20°C
Solids by Weight:	% 70 ± 2 % A+B
Solids by Volume:	% 50 ± 2 % A+B
Mixing Ratio by Weight:	83 parts of Base / 17 parts of Hardener
Mixing Ratio by Volume:	2.5 parts of Base / 1 part of Hardener
**Pot life @ +20°C:	≥ 6 hours
Temperature resistance:	+ 70 °C / +80°C (continuous service in air, dry conditions)
Colours on request:	Oxide Red– black – grey – light blue – white – ochre

SUBSTRATE PREPARATION

All substrates: The substrate should be cleaned, greases and contaminants free and roughened. Perfectly dry.

Concrete: Clean (free from oils, detaching greases and any other surface contaminant), dry (internal Humidity lower than 4%), seasoned (28 days at least if normal Portland), perfectly roughened and dedusted, free from flaking parts and efflorescence.

Before the application of EPOSOL R08 it is necessary to verify inside the cement the total absence of any action generated by the presence of water, by capillarity and water bed.

Steel/Cast iron : Cleaned, the substrate must be sandblasted at least to Swedish Standard of SA 2 ½ according to ISO 8501-1 with medium roughness of about 60 - 70 µm Rz DIN (Cut off 2.5).

PRODUCT PREPARATION

Stir the two components separately. Mix them stirring again after catalysis for not less than 5 minutes until a complete homogenization is reached

** The "POT LIFE" time of two components products (time within which it is possible to apply the paint mix of Base and Hardener), is exponentially dropped by the increase of product temperature.

Note: The use of a mix of paint (Base + Hardener) over the POT LIFE time is irreparably compromising all the properties of the coating film.**

APPLICATION DETAILS

Application Method: Standard Airless Spray with compression ratio 45:1 minimum pump pressure 3,5 – 4 atm (tip pressure about 150 atm.),

MTDS 01018/ Page 1 of 2

The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745382

sales@industri brunostoppa nipa nts.com - www.industri brunostoppa nipa nts.com

Azienda con sistema di gestione qualità UNI EN ISO 9001:2015 certificato da CISQ/Certiquality - Certificato Nro 2134

EPOSOL R08

Two component Epoxy paint

	tip size 15-21 thou with different fan width depending on the profile to coat Conventional Spray, Brush or Roller
Thinning:	Possible thinning only with thinner "Epothinner", up to 10-15% Max.
Cleaning:	Epothinner
Defects repairing:	Should a defect in the film appear, roughen the affected area. Clean it with solvent and repair the same by application by brush or spray until the suitable thickness is reached.
Hardening @ +25 °C:	Touch dry 2-3 hours Through dry 18-24 hours Fully cured 7 days
Overcoating interval @ +20°C:	18 /36 hours
Application Ambient Temperature:	Between +5°C and +35°C
Suggested Temperature of the product:	+20 ÷ +30°C
Substrate Temperature:	+5 / +40°C always at least +3/5°C above dew point
Relative Humidity:	≤ 85%
Suggested thickness:	60-80 µm dry (DFT) Min. 40 – Max. 120 µm dry (DFT)
Theoretical spreading rate:	sqm/l 6 - 8 at the suggested thickness

HANDLING STORAGE AND SAFETY PRECAUTIONS

Warning: All handling and/or use activities of the material and its components must strictly refer to the given indications in the Safety Data Sheet (Base and Hardener). The following advices are stated by common sense and in good faith, they are uncompleted and do not substitute the content of each specific safety data sheet of the product.

Handling: The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental standards and regulations.

Precautions: When the product is used in enclosed areas (rooms, containers, vessels, etc.) it is imperative to use adequate means providing the necessary air circulation, to be granted during the whole application and coating polymerization time, also to avoid conditions open to potential explosion danger. All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are required.

Storage and transport: Keep far from flames, sparks or heat sources. Do not leave exposed under direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at temperatures between +5°C and +35°C.

Shelf life: 12 months in the suggested storage conditions (original unopened packaging)

N.B.: **Product for professional use only and exclusively for the uses not regulated under CE Directive 2004/42/CE.**

Refer to Material Safety Data Sheet

MTDS 01018/ Page 2 of 2

The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745383

sales@industriestoppa.com - www.industriestoppa.com

Azienda con sistema di gestione qualità UNI EN ISO 9001:2015 certificato da CISQ/Certiquality - Certificato Nro 2134