STOP- PW

High build epoxy paint

NATURE AND USE

High build epoxy product free from aromatic solvents to be used as internal coating for steel pipelines dedicated to transport potable water or water to be conditioned for drinking use (according to the Ministerial Decree n.174 dated 06/04/2004)and subsequent updating (contact our technical dept. for more details if wished).
The coating forms a hard, compact and non-toxic film, highly water resistant (soft water, sea and also brackish water) and it is resistant in solutions averagely aggressive: acid solutions at 1% in H_2SO_4 or basic solutions at 1% in NaOH and can be used for transport of sewage water.

Note : Like other materials of the same nature and type also Stop PW polymerized film, when exposed in air in external ambient , due to the action of atmospheric agents (sun, rain etcetera) may undergo colour changing with chalking and tarnishing.
These phenomena are only aesthetic ones and do not indicate a loss of the corrosion protection property from the coating itself as the characteristic of the film is not altered.

ARPA Certificates N. 5296/RGA and 5648/RGA / PDC 08/0034/A / SSICA N. 335-336 / GFC N 379L /SSOG N 16LA03715 – INNOVHUB STAZIONI SPERIMENTALI PER L'INDUSTRIA N°: S-ISSI- 2405198
Complies with AWWA – C 210 -2015 Report IPN 013/2018 Università degli Studi di Trento
EDISON Qualified

TECHNICAL DATA

Specific Gravity A+B	kg/l	1,54 ± 0,07 @ +20°C
Solids by Weight:	%	97 ± 3 % A+B
Mixing Ratio by Weight:		71,4 parts of Base / 28,6 parts of Hardener
Mixing Ratio by Volume:		70 parts of Base / 30 parts of Hardener
****Pot life @ +20°C:**		~ 90 ± 15 minutes
Temperature resistance:		Up to +80°C (exposition in dry air and without simultaneous mechanical stress)
Colour:		Honey (White on request)
Appearance:		Glossy

SUBSTRATE PREPARATION

All kind of substrates: Cleaned, degreased, decontaminated and perfectly dry and dust free.

Steel: Sandblasting to SA 2,5 minimum, according to ISO 8501-1 for steel with roughness profile Rz DIN 60– 100 µm. .Follow with accurate dusting by dehumidified compressed injected air.

Other kind of substrates: All substrates must be cleaned, prepared, dry and treated with a suitable primer if necessary.

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.**

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Company with quality management system UNI EN ISO 9001:2015 certified

APPLICATION DETAILS

Application method		Standard Airless Spray with compression ratio 60:1 minimum Dual Feed Hot Airless Spray for two component with compression ratio 45:1 minimum Brush with hard bristles for touch up and/or small surfaces
Nozzle diameter:		0.015 - 0.020 inches
Nozzle pressure:		200 - 270 Kg/cm²
Thinning:		Product ready to use. Do not thin.
Cleaning :		Thinner 215 or Epothinner
Hardening @ 25°C:		Dust dry 7 - 8 hours Handling after 24 - 36 hours Polymerization 7 days at +25°C.
Overcoating @ +20°C:		Within 36 - 48 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 per coat:		300 µm dry (DFT) Min. 200 / max. 500 µm dry (DFT)
Theoretical spreading rate:	sqm/Kg	2,46 at 250 µm DFT

More info by writing to sales@industriebrunostoppanipaints.com or by calling +39 030 9745116

PRECAUTIONS IN CASE OF WATER FOR HUMAN CONSUMPTION PIPELNE (INTERNAL)

Be sure the internal of pipes during coating and curing has been duly ventilated to grant good air changes through time.

Before commissioning the pipeline , rinse repeatedly the internal surface with water and or other suitable product solutions to grant a hygienic surface.

To get further suggestions for the coating of pipelines, please contact our Technical Department.

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 suggested by the 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.

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Precautions: When the product is used inside enclosed areas (i.e rooms, containers, vessels) it is imperative to provide the necessary air circulation using adequate means and must be granted during the whole time required by application and coating polymerization, 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 imperative.

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

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

Access catalogues, data sheets and company presentations

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