

# VERNICE BITUMINOSA 238

## Bituminous and Waterproofing Paint

### NATURE AND USE

Bituminous Paint, suitable to coat different iron, wood and concrete substrates. Modified with a high percentage of bitumen, this coating is an optimum waterproofing and retains its elasticity over time. It is largely used to coat the internal of roof gutter, the external of iron tanks or concrete cistern to be buried, walls or foundations against ground, wood to be buried or water immersed, etc..

Used also as single finishing coat: it can be over-coated with the same product only.

**The Product complies with ENEL Dco (P5) Specifications.**

### TECHNICAL DATA



|                                |                          |
|--------------------------------|--------------------------|
| Type of Binder:                | Bitumen                  |
| Appearance                     | Liquid                   |
| Specific Gravity:              | Kg/l 1,30 ± 0,05 @ +20°C |
| Solids by Weight:              | % 69 ± 2%                |
| Solids by Volume:              | % 55 ± 2%                |
| Maximum continuous Service T°: | °C +50°                  |
| Colour:                        | Brown and/or Black       |

### SUBSTRATE PREPARATION

**Concrete and wood:** Cement and wood must be fully seasoned, must be cleaned from dust and residual of greases washing the substrate with suitable detergent in water, followed by plentiful rinsing. On the fully dried substrate, apply more coats of the Bituminous coating 238.

**New steel:** When sandblasting is not possible (suggested at minimum SA 2,5 according to ISO 8501/1, roughness profile Rz 30-50 µm) eliminate all traces of rust and calamine by mechanical brush or abrading disk (minimum at the degree St3 according to ISO 8501/1). Clean the surface with a cloth soaked in Thinner 4427. Apply more coats of Bituminous coating 238

### PRODUCT PREPARATION

Mix to homogenize the product in the original can of supply.

### APPLICATIONS DETAILS

|                                       |   |
|---------------------------------------|---|
| Application Method:                   | Standard Airless Spray with compression ratio 30:1 minimum<br>Conventional Spray<br>Roller, Brush |
| Thinner:                              | Thinner 4427/E for Spray, roller, brush application   |
| Thinning: %                           | 0 - 5   |
| Cleaning:                             | Thinner SINT209 – Thinner 4427/E  |
| Drying @ +25°C:                       | Touch dry about 4-6 hours<br>Through dry about 24-36 hours  |
| Overcoating @ +20°C:                  | Min. after 24 hours / Max. unlimited - by itself only   |
| 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%   |
| Dry Film Thickness per coat:          | Min. 40 µm dry (DFT) / Max. 60 µm dry (DFT)   |
| Theoretical spreading rate: sqm/Kg    | 3,5 – 4,5 a 7 100 µm dry (DFT)  |

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

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### HANDLING

### STORAGE AND

### SAFETY

### PRECAUTIONS

**Warning:** All handling and/or use activities of the product must strictly refer to the given indications in the Safety Data Sheet. The following advices are suggested by the common sense and in good faith, they are uncompleted and do not substitute the content of the 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 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:** 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

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