

## CURIDAN

Water-based emulsion for horizontal and vertical surfaces.



It is a water-based bituminous emulsion specially designed to prime and prepare mortar, metallic sheets and wood before welding bituminous sheets in roofs. It complies with the specifications required by UNE 104-231 (type EA).

### Presentation

- Colour: Dark brown
- Weight (g): 5
- Yield (kg/m<sup>2</sup>): 0.3-0.4
- Product code: 311013

### Technical Data

Concept	Value	Standard
Contained in water (%)	65	-
Min application temperature (°C)	+5	-
Toxicity	NULA	-
Viscosity at 20 °C (Brookfield RVT, spindle 1, 20 r.p.m) (poises)	1 - 5	-

### Additional Technical Data

Concept	Value	Standard
Density at 20 °C (g / cm <sup>3</sup> )	0.9-1.1	-
Inflammability	NULA	-

## Standards and Certification

- In accordance with UNE 104231:1999 Waterproofing. Bituminous And Bituminous Modified Materials. Asphalt Emulsions.

## Scope

- Primer and preparation of surfaces where a bituminous sheet is to be welded, on both porous and non-porous surfaces.
- Priming and preparation of porous surfaces that will later be waterproofed or treated with asphalt products.
- Surface protection from damp in buried concrete structures in civil engineering and concrete elements.

## Advantages & Benefits

- Aqueous base, solvent-free.
- Composed of modified bitumen.
- Fluid.
- Easy application.
- Long life expectancy.
- It can be applied with a brush, paintbrush, roller or spray.
- It can be applied in closed rooms.

## Support

- Concrete substrates.
- Timber
- Mortar substrates.

## Instruction for Use

Preparation of the substrate:

Surface condition: It must be clean of dust, grease, paint residues, plaster and foreign bodies.

Substrate preparation: Loose or poorly adhered particles shall be removed, so it is recommended to clean the surface to be primed. If necessary, the surface should be levelled with a mortar which should be properly trowelled.

Type of substrate: CURIDAN should not be applied to polished surfaces as this may lead to adhesion failures.

Drying time: Depends on ambient temperature, sunshine and relative humidity. Check that the primer is dry to the touch.

Application tools: Can be applied by spray, brush, brush or roller.

Minimum application temperature: CURIDAN must not be installed when the temperature is below +5°C.

- Priming and preparation of porous surfaces where a bituminous film is to be subsequently welded. It can be used undiluted or diluted with water (10-20%), up to the desired concentration. Once the substrate is very dry, apply a coat of CURIDAN, making sure that the pores are well impregnated. The approximate coverage is 0.2-0.5 kg/m<sup>2</sup>. In the case of bridges and parking decks, the coverage should be 0.2 kg/m<sup>2</sup>. In bonded systems, the bituminous sheet is fully welded, so the entire surface must be primed. In non-bonded or floating systems, the bituminous sheet is only welded at singular

- points (parapets, drains, expansion joints, etc...), and these elements must be primed.
- Priming and preparation of porous surfaces that are subsequently to be waterproofed or treated with asphalt products. It can be used undiluted or diluted with water (10-20%), up to the desired concentration. Once the substrate is very dry, apply a coat of CURIDAN, taking care to impregnate the pores well. It may be necessary to apply a second coat depending on the state and absorbent power of the substrate. The approximate coverage is 0.3-0.5 kg/m<sup>2</sup>.
  - Surface protection against humidity of buried concrete structures in civil works without great demands (walls, fins and abutments, foundations, pipelines, etc...). Two coats of CURIDAN should be applied with an approximate total final coverage between the two coats of 0.5-0.75 kg/m<sup>2</sup> depending on the substrate. Before applying one coat, check that the previous coat is completely dry.

## Indications and Important Recommendations

- Before using the product, stir well until it is perfectly equal.
- In case of refurbishment, chemical incompatibilities with old waterproofing systems consisting of PVC membranes, modified tar-based mastics or any other, shall be taken into account, and it may be necessary to remove them completely or to use suitable separating layers.
- This product may form part of a waterproofing system, so all the documents referred to in the Danosa Solutions Manual must be taken into account, as well as all the regulations and legislation that must be complied with in this respect.
- Work must not be carried out when weather conditions may be harmful, in particular when it is snowing or there is snow or ice on the roof, when it is raining or the roof is wet, or when there is a strong wind blowing.
- Do not install at temperatures below +5°C.
- Do not apply in rainy weather, as this could cause the emulsion to wash out, resulting in a product with poor internal cohesion.
- Never use as a roof waterproofing system.
- Possible incompatibility between thermal insulation and waterproofing shall be checked.
- Polyurethane foam shall not be sprayed directly on top of the waterproofing without the use of a suitable separating layer (geotextiles, mortar layers, polyethylene film, etc).
- All material used shall be cleaned with water.
- This product expires after six months

## Handling, storage and preservation

- The product must be stored in a dry place protected from rain, sun, heat and low temperatures.
- The product will be used on a first-come, first-served basis.
- In case of silting, the material shall be stirred back to the initial state.
- This product is not toxic or flammable.
- Temperatures below 0°C may affect the quality of the product. With est.
- Avis Technique 5/03-1698 "Polydan Plus FM".
- Danosa recommends consulting the safety data sheet for this product, which is permanently available at danosa.com, Knowledge Portal, or it can be requested from our Technical Department.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.
- For further information, please contact our Technical Department.

## Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled

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