

Torggler

Waterproofing

ASFREDOL 1000

Cold asphalt, composed of an anionic bituminous emulsion, free of organic solvents, for waterproofing and surface protection of porous surfaces, both wet and dry.



- Odourless
- Easy to use
- Fast drying
- High flexibility
- High impermeability



APPLICATION AREAS

Asfredol 1000 is suitable for:

- Waterproofing of terraces, flat and curved roofs, foundations, tanks/basins
- Protective treatment of porous surfaces.

TYPES OF SUBSTRATE

Asfredol 1000 adheres perfectly to wood, cement, fibre cement, brick, asphalt and felt. Asfredol 1000 adheres even on wet surfaces, provided they are clean.

FEATURES

Asfredol 1000 is a ready to use anionic bituminous emulsion, free of organic solvents, for the waterproofing and surface protection of porous surfaces, both wet and dry, such as cement, wood, brick, etc. Once dried, Asfredol 1000 forms a plastic coating that has excellent waterproofing properties, which keep the treated surfaces protected and dry thanks to its high bitumen content.

WARNINGS

- Do not apply at temperatures below +5 °C.
- Asfredol 1000 is not compatible with cement (see note in the instructions for use).

INSTRUCTIONS FOR USE

Preparation for use

The surfaces to be treated must be clean and free of dust.

Product preparation

Mix the product before use.

Instructions for use

Asfredol 1000 is applied cold using a brush, roller, spatula or trowel. It can also be sprayed on. Asfredol 1000 can be used to waterproof foundations against moisture in the ground (DIN 18195-4) or as internal lining of concrete tanks.

Important: Asfredol 1000 must always be applied on the side exposed to the water (positive pressure waterproofing) and never on the opposite side (negative pressure waterproofing). The surface must be smooth, clean and cohesive, but can be slightly damp.

– *Waterproofing of foundations:* Due to its simplicity of use, Asfredol 1000 is widely used to waterproof foundations against ground moisture and non-accumulating seepage water (DIN 18195-4 “Waterproofing against ground moisture”). The first coat of Asfredol 1000 is diluted with two parts water and is applied with a paint brush or a long-handled scrubbing brush. This preliminary coat will penetrate into the pores and prepare the substrate for the application of at least two coats of undiluted Asfredol 1000. Coverage: approximately 2 kg per m².

– *Internal lining of concrete tanks:* Asfredol 1000 is completely odourless, is highly stable and once dry it leaves a film of bitumen which will not re-emulsify, even in continuous contact with water. It is therefore ideal for the waterproofing of concrete tanks and basins. Application is easy. For the first coat Asfredol 1000 should be diluted with 2 parts of water, this ensures the perfect adhesion of the subsequent coats of undiluted Asfredol 1000. It can be applied using a paint brush, a long-handled scrubbing brush or a spatula. Apply at least two coats. As soon as the bitumen dispersion has dried, the treated tanks and basins can be filled. Not to be used for drinking water tanks. Coverage: Approximately 1 kg per m².

Asfredol 1000 should always be mixed before use. To improve penetration and to help the adherence of subsequent coats, the first coat should be diluted with water. The dilution ratio depends on the absorption of the substrate and can vary from 1:1 to 1:6. Subsequent coats are to be applied as is.

NOTE: Asfredol 1000 is not compatible with cement. For creating thick coatings with cold asphalt mixtures, sand and cement, use Asfredol 2000 flexible bitumen emulsion.

TECHNICAL SPECIFICATIONS

Appearance	Pasty liquid
Colour	dark brown
Colour after drying	black
Dry residue at 130°C according to UNI EN ISO 3251	63-70%
Brookfield viscosity at +20°C (impeller 5;10 rpm) EN ISO 3219	18000 ±4000 cP
Density UNI EN ISO 2811-1	0,95 – 1,01 kg/l
pH at +20 °C	6,0 – 8,0
Drying times *	90 – 120 min.
Complete drying time	12 hours
Application temperature	from +5 °C to +35 °C
PERFORMANCE FEATURES (EN 1504-2:2004 – C COATINGS – PI MC IR)	
Permeability to CO ₂ EN 1062-6	Sd > 50 m
Permeability to water vapour EN ISO 7783	Classe I – Sd < 5 m
Capillary absorption and water permeability EN 1062-3	w < 0,1 kg/m ² *h ^{0,5}
Direct traction adhesion test EN 1542	> 1 N/mm ²

* The value is indicative and depends on the temperature and relative humidity. Low temperatures and/or high relative humidity increase the drying times.

Color	Black
Packaging	bucket
Packaging size	10kg, 20kg
Pallet	33 buckets, 45 buckets

CONSUMPTION

The consumption of Asfredol 1000 is approx. 1-2 kg per m², depending on the substrate.

STORAGE

When stored in a cool, dry place in its original sealed packaging Asfredol 1000 is stable for at least 12 months. PROTECT FROM FROST.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 04.01.2021.