Torggler

ASFREDOL 2000

RESIN-BONDED COLD ASPHALT

Features

ASFREDOL 2000 is a special bituminous emulsion based on special emulsifying agents and synthetic resins which improve the flexibility and mechanical properties of the dried bitumen film. It is ideal for the waterproofing of foundations, basements, tanks, basins, etc. whose size and mobility require treatments with greater flexibility. **ASFREDOL 2000** adheres perfectly to wood, concrete, fiber cement, brick, asphalt and felt and can be applied both indoors and outdoors on horizontal and vertical surfaces without dripping.
ASFREDOL 2000 is highly resistant to acid and alkaline solutions, vapours, smoke, gas, etc.
Due to its polymer modification, one hardened layer of **ASFREDOL 2000** is more flexible and better adhesion compared to normal bituminous emulsions.

Applications

ASFREDOL 2000 can be used for:

- Waterproofing against moisture in the ground
- Protection against chemicals
- Bonding of perimeter insulation panels in contact with soil

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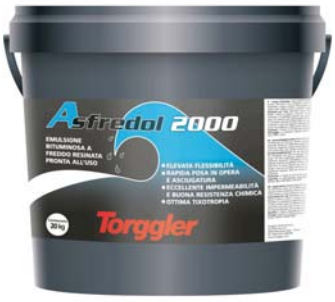

Instructions for use

Important: ASFREDOL 2000 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.

1) *Waterproofing of foundations*

ASFREDOL 2000 can be used to waterproof foundations against moisture in the soil (DIN 18195-4). Due to its simplicity of use, **ASFREDOL 2000** is widely used to waterproof foundations against ground moisture and non-accumulating seepage water (DIN 18195-4 "Waterproofing against ground moisture"). **ASFREDOL 2000** is applied cold to clean, dust-free surfaces. The first coat of **ASFREDOL 2000** 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 2000**.
Coverage: Approximately 2 kg per square meter.

2) *Inner lining of concrete tanks*

ASFREDOL 2000 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 2000** should be diluted with 2 parts water, this ensures perfect adhesion of the subsequent coats of undiluted **ASFREDOL 2000**. 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 square meter.

ASFREDOL 2000 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.

For the bonding of insulating panels, to obtain thicker coats or to accelerate the drying reaction, cement or a mixture of sand and cement can be added to the **ASFREDOL 2000**. To avoid making the mass excessively thick, do not exceed 5% by weight of cement compared to the **ASFREDOL 2000** (20 kg of **ASFREDOL 2000**, plus 1 kg of cement). The amount of sand to be added depends on the particle size of the cement and on the thickness to be obtained. A 2:1 mixture of sand to cement is normally used.

ASFREDOL 2000 can be applied by brush, roller or spatula. It can also be applied by spraying.

Storage

Protect from frost. When stored in a cool, dry place in its original sealed packaging the product is stable or at least 12 months.

Packaging

20 kg pails.

Technical specifications

Colour	:	Brown, once dried is becomes black
Coverage (undiluted)	:	1-2 kg/m^2 (depending on the substrate and the area of application)
Application temperatures	:	from +5°C to +30°C
Drying times (thickness 1 mm)	:	Up to 6 hours (depending on the temperature and relative humidity). Low temperatures and/or high relative humidity increase the drying times
Completely dry	:	After 3-7 days
Density	:	approx. 1.1 kg/l

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A COMPANY WITH A UNI EN ISO 9001 QUALITY SYSTEM CERTIFICATE

To the best of our knowledge, the information contained herein is correct and accurate. However, the suggestions and advice given are in no way guaranteed as we have no direct control over the use conditions. If you have any doubts, carry out preliminary tests and/or contact our technicians for assistance.
This technical document replaces the previous versions.

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