Torggler

BLACK HYDRO EASY

Multipurpose, thixotropic, bituminous liquid waterproofer made up of inert fillers, elastomeric resins and additives. Suitable for waterproofing earth retaining foundation walls. Used as sealant and finisher for roof waterproofing and insulation panel bonding applications.

- Good elasticity
- Provides protection against water, the elements and UV rays
- Resistant to the corrosive action of many acids
- Easy cold application
- Perfect adherence on different materials
- Compatible with cementitious adhesives
- Odourless and non-flammable
- Non-toxic, solvent-free

APPLICATION RANGE

Black Hydro can be used as:

- Water-resistant liquid sheathing where bitumen-polymer membranes are difficult to apply and using flame is not feasible, both vertically and horizontally
- Waterproofer for earth retaining foundation walls
- Sealant in roof waterproofing
- Insulation panel glue
- Waterproofer for balconies and terraces that can be applied without tearing down the old flooring
- Anti-dust primer (50% dilution)

Provides perfect adhesion to:

- bitumen-polymer membranes
- concrete
- various metal surfaces (pipes, gutters, tanks)
- fibre-cement
- plasterboard
- wood
- ceramic flooring
- glass

INSTRUCTIONS FOR USE

Mix before use; the product can be applied by roller, brush, spray, long-handed scrubbing brush, trowel or toothed trowel; best applied in two coats. For an easy application on large surfaces, dilution with water is recommended up to maximum 10%. Apply a second wet-on-wet coat if the first one has been reinforced (using non-woven fabric Tessuto NT50), otherwise wait until the first coat is completely dry (24-48 hours), depending on the environmental conditions and the substrate porosity.
Clean the tools with water after use and, if the product has dried, remove it with hot water or with the most commonly available synthetic thinners.

WARNINGS

- Apply the product at an ambient temperature not lower than +5 °C, when fog, rain and frost conditions are not expected to occur, avoiding extreme temperatures.
- Avoid applying the product on new bituminous surfaces, freshly applied, which could release hydrocarbons and cause problems of film adherence on the sheath.
- Do not exceed the recommended quantity for each coat so as not to hinder the evaporation of water contained in the bituminous liquid product, which would otherwise remain trapped under the dried film.
- On surfaces larger than 10 m² or stressed substrates we recommend reinforcing with suitable reinforcing Tessuto NT50 polyester non-woven fabric buried in the first coat while still wet.
- Temperatures higher than 35 °C impair the workability of the product due to a too fast drying of the film on the surface.
- Foundations waterproofed with Black Hydro Easy must be further covered with a suitable protection, to prevent the sheath from being cut during backfilling operations.
- The waterproofer may be walked on occasionally in cases of maintenance activities.
- Do not use on surfaces subject to rising or high water pressure.

CONSUMPTION

The consumption of the product varies depending on the substrate and the desired thickness, usually between 1.2 and 1.8 kg/m² overall. On average, to obtain a dried film of 1 mm, the quantity of product used will be about 1.5 kg/m².
When non-woven fabric Tessuto NT50 is applied, the total consumption is 2 kg/m².
For spot bonding of insulation panels, the consumption is about 400-700 g/m².

STORAGE

Sensitive to frost, do not expose the packages to temperatures below + 5 °C; once frozen the product can no longer be recovered. It will keep for at least 12 months in its original packaging.

PACKAGING

20 kg bucket

TECHNICAL SPECIFICATIONS

GENERAL CHARACTERISTICS		
Consistence	-	thixotropic paste
Colour	-	black
Storage	-	12 months
Closed cup flash point	-	non-inflammable
Dry residue at 130 °C	EN ISO 3251	53% - 59%
Viscosity Brookfield at 20 °C (rotor 6; 10 rpm)	EN ISO 3219	700 P ± 140
Specific weight at 20 °C	EN ISO 2811-1	1,21 kg/l ± 0,04
Cold flexibility	EN 15813	-30 °C
Hot dimensional stability	EN 15813	+150 °C
Touch dry time	-	4 hours
Covering drying time	-	24/48 hours *

PERFORMANCE CHARACTERISTICS (EN 1504-2:2005 - C COATING - PI MC IR)		
CO_2 permeability	EN 1062-6	S_D > 50 m
Water vapour permeability	EN ISO 7783	Class I - S_D < 5 m
Capillary water absorption and water permeability	EN 1062-3	$w < 0{,}1\ kg/m^2 \cdot h^{0,5}$
Pull-off adhesion	EN 1542	⩾ 1 N/mm²

To the best of our knowledge the information given in this document is true and accurate. However, since we have no direct control over the actual conditions of use, our recommendations and suggestions are provided as a guide only and do not constitute a guarantee. If you have any doubts we recommend that you test the product before use or contact our specialists for further advice. Torggler Chimica S.p.A. reserves the right to change, substitute or delete items or otherwise make variations to the product data in this document without prior notice. It is possible therefore that the information given in this document is no longer valid. This document substitutes the previous version. Version 02.2020