

Torggler

Waterproofing

BW 100

Bituminous liquid waterproofer.



- It waterproofs concrete surfaces affected by micro cracks and surfaces subject to thermal expansion
- Once dried it has excellent elasticity
- It adapts to any surface geometry to be coated
- Faster drying times compared to bituminous emulsions
- Good resistance to stagnant water
- Resistant to low temperatures: it can also be used in the winter period
- Excellent resistance on surfaces of industrial areas



APPLICATION AREAS

BW 100 is suitable for waterproofing:

- Old bituminous sheaths
- Flat roofs on cement surfaces which cannot be walked on
- Bonding and skimming mineral wool panels
- Walls against the ground and foundations
- Sheet metal covers
- Roof parts

FEATURES

BW 100 is a liquid bituminous elastomeric waterproofing agent containing bitumen, solvents, inert fillers, elastomeric resins, plasticizers, additives. Suitable for waterproofing old bituminous sheaths, flat roofs on cement surfaces which cannot be walked on, walls against the ground and foundations, sheet metal roofs, roof parts.

WARNINGS

Do not use BW 100 in unventilated rooms or indoors.

It is advisable not to exceed the above mentioned consumptions, because there could be an imperfect drying of the film in depth, due to the permanence, under the surface layer, of fractions of solvent not evaporated and this for the total impermeability of the surface dried film, which prevents their normal evaporation.

If the product applied remains visible, the dried film must be protected with reflective paints or coloured decorative paints. It is recommended to paint only a few months after its application.

Do not apply on very hot substrates that would cause negative consequences on the cohesion and adhesion of the product to the substrate.

It may be walked on occasionally in cases of occasional maintenance.

Do not use on surfaces subject to rising or high water pressure.

INSTRUCTIONS FOR USE

Preparation for use

Make sure that detached parts, brittle or non-adherent parts, paint, rust, dust, release agent oils are removed and thoroughly clean surfaces that must be solid and dry. Check that the waterproofing is prepared for regular rainwater runoff. Apply at temperatures between -10 °C and +35 °C; avoid extreme hot and cold conditions during application and drying of the film.

Product preparation

Mix BW 100 before application.

Instructions for use

BW 100 can be applied with a roller, brush, spray (dilution with nitro thinner or common solvent bituminous primers is possible), long-handled scrubbing brush, masonry trowel or toothed trowel. Application in two or three coats is recommended. Apply the second coat when the first one is completely dry. On surfaces larger than 10 m², critical points or mechanically stressed substrates we recommend reinforcing BW 100 with suitable Torggler NT50 non-woven polyester reinforcement buried in the first coat while still fresh.

Use the most common synthetic thinners for cleaning tools.

TECHNICAL SPECIFICATIONS

Appearance	Liquid
Colour	Black
Flash point when the vessel is closed	>23 °C
Dry residue at 130 °C (EN ISO 3251)	61-67%
Viscosity (Brookfield 25 °C gir. No. 3-10 rpm) (EN ISO 3219)	3.700 cp ± 700
Specific weight at 20 °C (EN ISO 2811-1)	1.03 kg/l ± 0.03
Drying time (*)	90-120 minutes
Flexibility at -15 °C	Passed
Performance characteristics EN 1504-2:2004 – C coatings – PI MC IR	
Permeability to CO ₂ :	S _D >50 m
Permeability to water vapour	Class I
Capillary absorption and permeability to water	w <0.1 kg/(m ² h ^{0,5})
Adherence force for direct traction	>1.0 N/mm ²

* Values recorded at 23 °C and 50% R.H. The data may vary depending on the thickness of the product applied and the specific site conditions: temperature, humidity, ventilation, absorbency of the substrate.

Color	Black
Packaging	bucket
Packaging size	20kg

Pallet

33 buckets

CONSUMPTION

The consumption of BW 100 is approx. 0.8-1kg/m². However, the consumption of the product varies depending on the substrate and the desired thickness, and on average to obtain a dried film of 1 mm, the quantity of product used can be around 1.4 kg/m².

STORAGE

Store BW 100 in a dry and sheltered place in the original packaging. Do not expose the packages to temperatures above +30 °C and keep away from heat sources and open flames, as it is a flammable product. It will keep for at least 24 months. Frost resistant.

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 09.02.2021.