

TECHNICAL DATA SHEET

AQUACOOOL REFLECT



ADHESIVES • PLASTERS • THERMAL INSULATION

Elastic reflective waterproofing

Ready to use one-component UV-resistant waterproofing mixture



PURPOSE

AQUACOOOL REFLECT is designed for waterproofing of all elements of the building, exposed to direct sunlight, providing elastic UV-resistant water-repellent covering. Except for preventing of water and moisture penetration, the product creates a white reflective surface, which protects the base from overheating. The excellent adhesion to all types of building bases, determines the product's application for waterproofing of new flat and sloping roofs, as well as for repairing of old surfaces, such as existing waterproofing coatings, bituminous tiles, reinforced concrete and sheet metal roofs, open terraces with mosaic coverings and others. The high elasticity of **AQUACOOOL REFLECT** gives the opportunity of covering fine cracks and small unevenness.

PROPERTIES

- ❖ ready-to-use
- ❖ reflective
- ❖ UV-resistant
- ❖ vapour-permeable
- ❖ high elastic
- ❖ excellent adhesion
- ❖ does not contain solvents

PREPARATION OF THE BASE

AQUACOOOL REFLECT has excellent adhesion to different building bases, such as concrete, cement-sand mortars, lime-cement plasters, mosaic coverings, sheet metal, bituminous tiles, etc. The base should be strong, dry, free oil, dust, sand and other contaminants or separating layers. Application over deep cracks is not recommended. Any old paint coatings should be removed, and the loose bases should be cleaned and primed.

CHARACTERISTICS AND TECHNICAL DATA

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|--------------------------------------|------------------------|
| ▪ Colour: | white |
| ▪ Consistency: | paste-form |
| ▪ Density: | 1310 kg/m ³ |
| ▪ pH: | 7.3 |
| ▪ Tensile strength with reinforcing: | 2.7 N/mm ² |
| ▪ Work temperature: | +5°C to +35°C |
| ▪ Thermal durability after drying: | -20°C ΔO +120°C |
| ▪ Time for drying: | around 12 hours |

APPLICATION

The application is done in two perpendicular layers using a brush or paint roller, without necessity of any additional protection from the solar radiation. In order to increase the mechanical characteristics of **AQUACOOOL REFLECT**, it is recommended to apply a polyester veil between the two layers.

CONSUMPTION

- around 1 kg/m², for one layer, depending on base type

TOOLS FOR WORK

- brush
- painting roller-brush

WEATHER CONDITIONS FOR APPLICATION

The minimum twenty-four-hour temperature of the air and the base should not be less than +5°C, and the maximum – not higher than +35°C

It is not recommended applying **AQUACOOOL REFLECT** at high level of air humidity, or when the forecast is for coming rain, or during a rain. It should be protected from dust for 1-2 hours. When applying the waterproofing on the concrete, it is desirable that this is done at least 15 days after its application (after its final drying).



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FORM OF DELIVERY

Paste-form in plastic buckets of 5 kg and 12 kg.

NOTES


Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20°C) and relative humidity (50%). In other weather conditions, the technological time for some of the processes, mentioned above, could be shorter or longer. The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

Do not mix with other building materials.

All hazards and precautionary statements about **AQUACOOOL REFLECT** can be checked in the Safety Data Sheet of the product.

STORAGE

12 months into the originally sealed package in a dry place, without the danger of freezing.

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| TERAZID Ltd. 5 "5004" Str. Gara Iskar, Sofia, Bulgaria | |
| BDS EN 1504-2 NB 1950 DoP № 20181023-01-D AQUACOOOL REFLECT <i>Elastic reflective waterproofing</i> | |
| Density | 1310 kg/m ³ |
| Adhesion with concrete base | 2,8 N/mm ² |
| Tensile strength with reinforcing | 2,7 N/mm ² |
| Viscosity (Brookfield method) | 15000 m.Pa.s |
| Waterproofing under pressure - 60 kPa | waterproof |
| Coefficient of water vapour transmission - μ | 260 g/m ² .d |
| pH | 7,3 |
| Content of non-volatile compounds | |
| Relative prolongation | 64% (method A) 104% (method B) |
| Low temperature bendability | -20°C enduring |
| Resistance to liquefaction at high temperature | 120°C no liquefaction |

The manufacturer recommends checking the suitability of the product in the Technical Data Sheet. The same is responsible for the product quality, but not for the ways and conditions of its applying.

The information into the present Technical Data Sheet is reliable but only if the product is used under stated conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or a process, is borne by the user.

