

Technical Data Sheet

Cool Barrier Grip® AG

Protective agent for minerals and concrete



Product description

Cool Barrier Grip AG is an aqueous, protective, silicone emulsion based on special formulated silanes, siloxanes and fluoro-chemicals. Cool Barrier Grip AG is used as water-based penetrating sealer to provide a durable, non-film-forming, "Wet Look" yet transparent, protective barrier against oil and water on porous surfaces such as stone, unglazed tile, grout, terra cotta, concrete and brick. Cool Barrier Grip AG provides excellent oil and water repellency, stain resistance, and easy stain cleanup.

Product properties

- Appearance: Clear to amber in color
- Stability: Stable at normal temperatures.
- Protect from sunlight and freezing.
- pH: 7-8.5
- Active Solids: 13-15%
- Density: g/mL 1.00
- Flash point (closed cup): °C - Not flammable
- Boiling Point: °C ~100
- Freezing Point: °C ~0

Storage stability

The packages must not be exposed to direct sunlight and must be protected from heat. If subjected to frost, the product will become unfit for use. We recommend a storage temperature within a range of + 5 to + 25 °C. In originally sealed containers, Cool Barrier Grip® AG may be stored for a maximum of 12 months after the date of delivery.

Way of action

Cool Barrier Grip AG contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. Hydrolysis occurs only after application to the substrate, which breaks the emulsion. Alcohol is released and the emulsion is converted into a silicone resin water repellent. Cool Barrier Grip AG reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

Special features

- Good depth of penetration
- Resistance to alkalis
- Rapid development of water and oil repellency
- Water-based and environmentally compatible

Areas of Application

- Concrete
- Unglazed ceramic tiles
- Cementitious grouts
- Natural and artificial-cement based stone
- Bricks

Special Note

Cool Barrier Grip AG gives a pleasant "Wet Look" finish on the treated materials. As a consequence a color change of treated materials aesthetic look will occur. Therefore, Abolin highly recommends a trial application first on a limited surface, in order to determine the suitability of the product.

Application

Cool Barrier Grip AG is excellent water & oil repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and mineral plasters. It is suitable also for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads, under proper application.

Processing

Read carefully the Material Safety Data Sheet of the product prior any use. Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. Owing to the content of wetting agent in Cool Barrier Grip AG, re-impregnation at a later date does not present any difficulties. In any case, prior any re-impregnation, perform field tests.

NOTE:

If it starts to rain, stop treatment and cover the impregnated areas.

Consumption rates

A typical consumption rate for porous substrates is 0,250-0,300 lit per square meter. Determine the consumption/needed quantities per square meter, based on field test.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials in order to provide for local processing conditions over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to EN ISO 9001

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