

COOL BARRIER GRIP WCR

MASONRY WATER REPELLENTS WOOD CARE

Product description

COOL BARRIER GRIP WCR is a water based emulsion of a functional silicone resin, highly suitable for the UV protection and the hydrophobic impregnation of wooden surfaces.

Properties

COOL BARRIER GRIP WCR serves as a high-quality water repellent for impregnating wooden surfaces.

Special features

- water based
- long-lasting beading effect on wood
- significant reduction of capillary water absorption of wood, particularly after weathering
- protection against degradation of lignin by UV radiation and accompanying graying
- increases the durability and longevity of wood stains/coatings for wood because of excellent hydrophobizing properties
- helps to minimize all harmful effects caused by water uptake

Application

The work performed (preparing the wood surface, setting up a reference surface, application and quality control) must follow the applicable regulations. The application of COOL BARRIER GRIP WCR should always be performed on dry, porous wooden surfaces free of film forming paint materials.

- Surfaces that are still unpainted and unsoiled must be cleansed of any coarse particles and dust deposits by using compressed air.
- Unpainted surfaces can prior be treated and coloured with the special impregnating wood stain, Cool Barrier Grip WCS.
- Surfaces already treated with weathered non film forming wood stains - must be cleansed of any coarse particles and dust deposits by using compressed air.
- Unpainted wood is said to have "weathered" which is usually characterized by a gray, washed-out appearance.

- Weathered film forming paintings must be removed, prior any use of the Cool Barrier Grip WCR. As you scrape away the paint, this is the time to take note of the wood's condition.

- Old, weathered wood that is moist and spongy is said to suffer from "damp" or "wet" rot. Areas that are dry and crumbly are referred to as "dry rot." Both dry and damp rot are caused by microorganisms that must be removed to prevent the rot from spreading. For smaller areas of rot, cutting away the damaged section and patching it with a wood plug will do. Larger areas of damage may require replacing whole sections of lap siding. Wood that has been exposed to weather will eventually break down into a matter of dense fibers that can be scraped loose with a fingernail.

- Before you can cover up that weathered wood with Cool Barrier Grip WCR and/or, with the special impregnating wood stain Cool Barrier Grip WCS, those loose fibers must be removed. For larger structures, a wire brush is an easy way to knock off remaining pieces of existed paint and surface fibers, while also roughing up the wood's surface for better paint impregnation. Where is needed apply a high-quality acrylic caulk. Once the caulk has dried, the wooden surface can be given a good rinsing with a garden hose and scrub brush to knock off dirt, sawdust and other debris that may prevent paint from properly adhering and impregnating. After washing, the building should be allowed to dry thoroughly.

- Evenly apply the impregnating agent to the wooden material in two coats, wet-on-wet.

The two coats are absolutely essential to prevent the formation of defects in the impregnated surface. On badly weathered surfaces a third coat may be necessary.

Apply the product when the surface of the wood appears evenly dry and no more damp patches are visible. The impregnating agent can be applied by spray coating at reduced pressure, brush or lamb-skin roller. Do not allow puddles to form.

- In the event of unexpected rain, cover surfaces already impregnated and halt all further impregnation.
- COOL BARRIER GRIP WCR should never come in direct contact with bitumen.

The management system has been certified according to EN ISO 9001

Storage

The 'Best use before end' date of each batch is mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons. shown on the product label. Storage beyond the date specified on the label does not necessarily.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from Abolin Co subsidiaries.

Product Data:

Typical general characteristics	Value
Appearance and color	milky, white
Solid content	approx. 10 % by weight
Viscosity, dynamic at 23 °C	approx. 35 mPa.s
Density at 23 °C	approx. 1 g/cm ³
pH-Value at 23 °C	approx. 5 - 7

The data presented in this medium 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 medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies 'raw materials are also being used. The information provided by us does 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 product for a particular purpose.

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