

Technical Bulletin – Nature

Product Description

Nature is a top coat for exterior wooden building elements ready for use. It is based on the thermal ceramic coating technology.

Ingredients

polyacrylate- dispersion, titanium dioxide, zinc oxide, kaolin, calcium carbonate, silicates, water, propylene glycol, cellulose, preservatives

Product Group/ GIS-Code

Micro silicates, BSW10

Area of application

Nature is a top coat suitable for use on all **limited dimensionally stable wooden construction elements** such as groove and tongue paneling, frameworks, window shutters, gates, and **non-dimensionally stable wooden construction elements** such as balustrades, shingles, pergolas and fences.

Due to the moisture adaptive properties of the membrane, the blocking resistance varies according to the moisture content of the coating. Therefor avoid coating of butt joints and nip joints Nature supports the regeneration and preservation of the natural moisture balance of wood.

Product Properties

Variable diffusion, high resistance to aggressive environmental influences such as smog und ozone, free of emissions and solvents, high UV- and weather resistant, reflective, very high color resistance, thermally comforting. Regulates humidity on permeable surfaces

Material data

- sd-values according to DIN 52615
- dry area: sd = 1,3
- wet area: sd = 0,7
- density 1,05 kg/dm³ according to ISO 2811-1

VOC ordinance (EG)

Limit value of 01.01.2010 for water based (Wb) coating material (Prod.-Cat. e) for varnished and wood stains for building decoration = 130 g/l.

This product contains < 13 g/l VOC.

Application information / Surface

Nature can be applied to all sound, clean, dry and primed types of wood.

The moisture content of the wood must not exceed 18% for dimensional wood components. Mind the principle that structural wood preservation is a fundamental condition for a long-lasting coating.

To guarantee humidity regulating characteristics a permeable surface is recommended.

Surface preparation

Wood, new:

grind wood in fiber direction, clean, break off sharp edges, Prime with ThermoShield NaturePrimer

Wood, old, untreated:

grind weathered wooden surfaces until workable wood is accessible, clean, break off sharp edges

Prime with ThermoShield NaturePrimer

Wooden material, new:

Prime with ThermoShield NaturePrimer

Non-workable previous coating:

remove until workable wood is accessible,

Prime with ThermoShield NaturePrimer

Adhesion-interfering surfaces:

remove emitting wood components such as resin or resin pockets.

Application

The product can be applied by brushing or paint roller. For first application two coatings are required. ThermoShield Nature is supplied ready for use. During application, it is important to maintain the air and object temperature +5°C. This applies equally to the drying period. Sufficient daylight promotes the drying of the UV-cross-linked binding agent. Stir with a stirring gear before application or after long interruptions of work. Allow a drying period of 12 hours between two individual coats.

Consumption

The spreading capacity of ThermoShield Nature is approximately 330 ml/m², calculated for two layers, on smooth surfaces of low porosity. The spreading capacity will vary according to the structure and porosity of the surface. If in doubt, a small test area should be applied first.

Cleaning of tools

Rolls, brushes and spray equipment are to be washed out with water thoroughly immediately after usage.

Colours

Nature can be tinted with the color systems NCS, RAL and ThermoShield Edition 1.

Please check color shade before application.

Storage and Transport

Nature should be stored and transported cool, but frost-protected. Once opened, close containers firmly and apply as soon as possible. Storable from date of manufacture: 12 months.

Volume of Supply

0,75 liters; 2,5 liters; 5 liters; 18,93 liters
Differing pack sizes available on request.

Disposal

Do not empty into canalization, watercourses or the ground. Only completely emptied containers should be disposed for recycling. Please turn part-used products to the collection point in charge.

Non-hazardous waste code according to EU-list of wastes: 080120

Safety Notice

The content of the technical bulletin manifests no contractual legal relation. In any case, the applicant /customer must consider the material's utilizable under practical conditions before application. Do not allow to enter canalization, watercourses or the ground. Keep away from food, drinks and feeding stuff. Keep out of the reach of children. Protect surfaces not to be treated by taking appropriate measures. Avoid contact with skin and eyes. Where applying with spraying method, avoid the inhalation of emerging dust. Before-mentioned information becomes invalid at release of a new technical bulletin due to product improvement. Before-mentioned information was identified by SICC Coatings GmbH in laboratory and practice as guideline values. The product information is given to the best of our knowledge and according to the current state of technology. Environmental influences, materials, application equipment and applications methods are beyond our control and therefore out of our responsibility. SICC©2018

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