

Technical Bulletin: **Nature**

Product description

Nature is a topcoat for exterior wooden building elements ready for use. It is based on Reflective Membrane Technology.

Ingredients

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

Product group / GIS code

BSW20

The information in the current safety data sheet apply.

Scope of application

Nature is a topcoat 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. Therefore, avoid coating of butt joints and nip joints.

Nature supports the regeneration and preservation of the natural moisture balance of wood.

Product specific properties

Variable diffusion, high resistance to aggressive environmental influences such as smog and ozone, low-emissions and free of solvents, high UV- and weather resistant, reflective, very high colour 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 Regulation (EC)

Limit value from 01.01.2010 for coating materials (Prod.-Cat. d) for wood, metal or synthetics for buildings, its components and decoration components (inside and outside) = 130 g/l.

This product contains < 13 g/l VOC.

Processing note

Nature can be applied to all viable, clean, dry and primed types of wood. The moisture content of the wood must not exceed 18% for dimensionally stable 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.

Substrate preparation

Wood, new:

grind wood in fibre direction, clean, break off sharp edges, prime with *ClimateCoating® NaturePrimer*

Wood, old, untreated:

grind weathered wooden surfaces until workable wood is accessible, clean, break off sharp edges, Prime with *ClimateCoating® NaturePrimer*

Wooden material, new:

Prime with *ClimateCoating® NaturePrimer*

Non-workable previous coating:

remove until workable wood is accessible, Prime with *ClimateCoating® NaturePrimer*

Adhesion-interfering surfaces:

remove emitting wood components such as resin or resin pockets.

Application

The product can be applied by brush, roller and airless spraying. For first application two coatings are required. *Nature* is supplied ready for use. For use of airless spraying follow equipment manufacturers guidelines. When using airless spraying, application consistency can be set by use of small amount of water. During application, it is important to maintain the air and object temperature of +5°C. This applies equally to the drying period. 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 *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 colour systems NCS, RAL and *ClimateCoating®* Edition 1.

Please check colour shade before application.

Storage and transport

Nature shall 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.

Delivery form

0,75; 2,5; 5; 19 litres

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

Security 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 drains, water courses or soil. Keep away from food, drinks and feeding stuff. Keep out of the reach of children. Protect surfaces not to be treated by taking appropriate measure. 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 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 application methods are beyond our control and therefore out of our responsibility. SICC©2020