INOCOT





Technical Information

INOCOT 425

Silicate Fire-proof Coating

Description

vanBaerle INOCOT 425 is a water-based, flame-retardant coating based on modified silicates.

Advantage

INOCOT 425

- Inhibits the formation of flames and their propagation
- Forms foam upon exposure to fire
- Is easy to apply by spraying

Physical Properties

Aspect	liquid
Odor	odorless
Color	clear
Density	1.26 g/cm^3
Viscosity	40 mPa*s

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Application

INOCOT 425 is a fire-proof coating, which inhibits the onset of flames and consequently prevents their propagation. A direct flame impact on the treated wood surfaces leads to a slight foam formation. This foam reduces the contact of the flames with the flammable substrate.

Technology

The easiest way to apply INOCOT 425 is to spray it with a customary air-mix installation. It is important to consider that the material might be absorbed by the substrate. The formation of a contiguous coating should be avoided. Cracks could form when ageing. The quantity to apply amounts between 100 – 300 g/m^2 according to the absorbency of the substrate.
For a belated protection of wood, INOCOT 425 is sprayed directly on the surface to be protected. For the production of hard flammable wood boards, the surface is coated once with INOCOT 425, the edges (especially with full wood) should be coated twice for improved protection. The coating dries in about one hour. If desired, this process can be accelerated by increasing the temperature up to a max. 60°C. Caution: temperatures above 80° C during drying can cause foaming of the coating!



Picture 1: OSB without coating



Picture 2: OSB coated with INOCOT 425

Cleaning recommendations

Tools can easily be cleaned with water, as long as the material has not dried completely. Do not use any organic solvents: INOCOT 425 is absolutely insoluble in those! It is recommended to use working tools made of synthetics, because the adhesion on metal is very intense.

Storage

For detailed information, please check our "Guidelines - Storage and handling of liquid silicates" on our web-site www.vanbaerle.com.

Classification and safety

Consider the common precautions in using chemical products. Please read the information in the safety data sheet.

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Your partner for high quality silicates.

In 1888, vanBaerle started out as a soap factory. Ten years after its foundation, the company moved to its present location in Münchenstein and developed into a dynamic and innovative enterprise. With its business units Hygiene and Silicates, it is represented in more than 50 countries in Europe, Asia and North America. The company has 134 employees in its headquarters and its affiliated companies. The production plants of the business units Hygiene and Silicates, the laboratories for development, application technology and quality management, as well as the warehouses and the administration buildings are all located at the Münchenstein site.

We have been transforming basic minerals into valuable products for more than 100 years. In this time, we have optimized the established products and introduced many innovations. Today, silicates are important additives for a whole range of industries and can be found in many products. Silicates are used in welding rods, waste paper recycling, and detergents. They can bind pigments and cement, glue materials and protect and isolate buildings. And the good news is that the list of applications keeps constantly growing.

Legal notice

The technical details and recommendations are based on the best of our knowledge and they presume a proper storage and usage of the products. Due to the variety of possible substrates, materials and working conditions a guarantee or a liability can not be taken for the work result, whatsoever the legal relationship are. Before each use, the products must be tested for their suitability for the intended application and purpose. In any case, the user is responsible for the consequences arising from the use of the products.

Your contact

Tan Tien Hock (th.tan@vanbaerle.com.sg)
Tee Bee chin (bc.tee@vanbaerle.com.sg)

Tel +65 68993343

vanBaerle Silicates (S) Pte Ltd
100 Pasir Panjang,
#08-04, Singapore 118518

Above mentioned information is based on the current knowledge and may change according to technical progress. No guarantee on product data.

vanBaerle AG . www.vanbaerle.com . Tel +41 61 415 91 11