

Vuba Resin Binder MT

Technical Datasheet

Moisture Tolerant Aliphatic Polyurethane Resin Binder.

Moisture tolerant resin binder for use in conditions of high relative ambient humidity.

Product Description:

Vuba Resin Binder MT is a two-component aliphatic (UV Resistant) polyurethane resin for use as a stone and rubber binder.

Features:

Highly hydrophobic capable of repelling moisture.

Highly over-indexed thermosetting resin.

Composition:

Two-component polyurethane resin.

Usage Guidance:

Three principles create the high level of hydrophobicity of Vuba Resin Binder MT and it is important these are observed during usage. The first is the rate of reaction, this is controlled upon catalysis during manufacture and further catalyst should not be added. The second is the ratio of hydrophobic additives in the product, and therefore the product should not be diluted. The third is the ratio of A to B, so it is important this ratio is not altered for application.

Curing Times:

The product is designed to cure for light foot traffic in 16-24 hours. The product will gel much sooner, but maintain a tackiness until this point. For vehicle traffic, we would recommend to leave 24-48 hours.

Moisture Damage:

White colouring and foaming on the surface is symptomatic signs of moisture damage that is most commonly associated with moisture damage in resin bound surfacing. However, it is possible for projects to have suffered moisture damage but it is not visible on the surface, only after taking a core sample. Different types of moisture damage cause different signs of failure. Although resistant to moisture damage, our binder can still suffer a loss of binder from precipitation, and care should be taken to avoid applying this product in rainy conditions.

Typical Properties:

Property	Results
Viscosity at 25°C	2600-4000 mPas
Specific Gravity at 25°C	1.03-1.09
Water Solubility	Insoluble

Index:

This product is highly over-indexed in favour of the aliphatic isocyanate component.

Preparation:

Prepare the surface as standard for a resin surfacing application. The surface ought to be dry prior to application. It is preferred and the system is most effective when applied on to a permeable base.

Priming:

We do not recommend to wet prime a base prior to application of a Vuba Resin binder MT screed. However, we would recommend using an epoxy primer and seeding for porous cementitious bases.

Humidity:

Vuba Resin Binder MT is capable of withstanding a humidity of >95%.

Temperatures:

It is recommend the ambient temperature is 5°C and rising during application.

Grades:

This product is pre-catalysed to suit the season. You Must use the product in the correct temperature range. The curing rate of this product impacts the resistance to moisture. Too fast curing will reduce moisture tolerant properties.

Catalyst Addition:

Do not add any form of catalyst to this product.

Limitations:

The product is designed to perform as a binder for resin surfacing in conditions of high humidity, or in the possibility of light precipitation. All projects should be planned to take place during good weather.

Packaging Information:

Available in a 7.2kg and 6.8kg size.

NOTICE: No freedom from infringement of any patent owned by Vuba or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Vuba is represented. The claims made may not have been approved for use in all countries. Vuba assumes no obligation or liability for the information in this document. References to "Vuba" or the "Company" mean the Vuba Chemical Innovations Limited legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.