

Ultrabond Eco VS90 Plus Adhesive

Product Description

Ultrabond Eco VS90 Plus is a solvent-free, acrylic water based adhesive, suitable for bonding Fatra's range of modular PVC membranes to a wide range of substrates. Ultrabond Eco VS90 Plus is packaged in 16kg tins and is supplied as a ready to use, light beige paste.

Characterised by a fast and strong initial grab and a rapid set, the product cures to give a highly shear resistant adhesive with excellent peel strength. Due to its solvent free properties, the adhesive can be used indoors as part of Fatra's range of modular PVC membranes

Product Properties

- Easy application
- Little to no waiting time
- Excellent wetting even with difficult covering
- Rapid set development
- Very good peel strength
- High shear resistance
- Very good dimensional stability
- Prevents open joints
- Solvent free
- Non-flammable
- EMICODE EC1 Plus (Very low emission)
- Harmless to the health of the installer / end-user

Application Examples

Although primarily intended for bonding Fatra's range of modular PVC membranes, Ultrabond Eco VS90 Plus can be used for adhering:

- Sheet or tile rubber flooring with smooth or textured surfaces
- Homogeneous and heterogeneous PVC floor coverings, sheets and tiles
- PCV and multilayer PVC floor coverings
- Vinyl Tiles
- Textile floor coverings with a suitable backing
- Needle-punch woven flooring
- Polyurethane, polyolefin and synthetic backed linoleum flooring
- PUR floor coverings
- PVC and rubber wall coverings

Packaging

Ultrabond Eco VS90 Plus is available in 16 kg drums

Coverage rate

Consumption rates will vary according to the substrate condition, type and the ambient temperature. A 16 kg tin will cover approximately 50 m² based on a consumption rate of 300 g/m².

Technical Data

Ultrabond Eco VS90 Plus Adhesive	
Product Characteristics	
Consistency	Creamy paste
Colour	Light beige
Density (g/cm ³)	1.25
pH	8
EMICODE	EC1 Plus: very low emission
Blauer Engel	RAL-UZ 113 For further information please refer to the MSDS
Application Data	
Application temperature range	From +15°C to +35°C
Waiting time	0 to 10 minutes
Open time	20 to 30 minutes
Light foot traffic	3 to 5 hours
Ready for use	24 to 48 hours
Final Performance Data	
Peel 90° adhesion test to EN 1372 (N/mm): <ul style="list-style-type: none"> • Homogeneous PVC • Heterogeneous PVC • smooth rubber • Linoleum 	In compliance with EN 14259

Recommendations

Install in recommended temperatures, normally between +15°C and +35°C.

Do not install on damp substrates.

Application Procedure

Preparing the substrate

Substrates must be dry, absorbent, level, sound, mechanically strong, and free from dust, loose particles, cracks, paints, wax, oil, rust, traces of gypsum or other products that can interfere with bonding. Commonly, the moisture content must be a maximum 2% to 2.5% for cementitious substrates and a maximum 0.5% for gypsum based substrates.

Acclimatisation

Before starting the installation, make sure that the membranes or wall covering and the substrate are acclimatised to the recommended temperatures and relative humidity.

Applying the Adhesive

Ultrabond Eco VS90 Plus is ready to use and does not need any preparation. Before applying, stir the adhesive in the bucket. Apply the adhesive evenly to the substrate with a suitable notched trowel.

Installing Fatra Modular Membranes

Leave a waiting time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Only apply as much adhesive as can be covered within the open time and with good transfer to the backing of the covering. Lay the membrane whilst still wet: the adhesive ridges has to be impressed. Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing.

Avoid excessive stress at the seams. After laying the membrane, apply pressure using a roller or a soft brush.

Note: *Open time may vary depending on temperature, relative humidity and absorbency of the substrate. It will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with low absorbent substrates.*

Cleaning

While still wet, Ultrabond Eco VS90 Plus can be cleaned from floor coverings, tools, hands and clothing with water. When dry, clean with alcohol or a suitable solvents.

Storage

Under normal conditions, Ultrabond Eco VS90 Plus is stable for at least 12 months in its original sealed packaging. Protect from frost.

Safety Instructions for Preparation and Application

Ultrabond Eco VS90 Plus is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

Keep out of reach of children. Ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. In case of contact with eyes or skin rinse immediately with plenty of water. Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground / soil.

Clean tools with soap and water immediately after use. Only properly emptied containers may be recycled. Dried product residues can be disposed of as normal household waste.

Product contains: MIT / BIT (1:1) and CIT/MIT (3:1).