

Product Data Sheet



STARBOND WB PVC

One Component, High Performance, Non-Flammable, Synthetic Resin - Water Based PVC Membrane Adhesive

Uses:

- PVC Roofing and Waterproofing Membranes
- Water based Adhesive to adhere various materials to Thermal Insulation such as XPS, EPS or Polyurethane Foam
- Usable for most Porous and Non-Porous Surfaces

Product Description

STARBOND WB PVC is a single component, inflammable commercially attractive, water based adhesive designed for the adhesion of PVC Roofing and Waterproofing Membranes. **STARBOND WB PVC** is based on very special type of synthetic resin, additives, tackifier and fine grade mineral filler - It is water based adhesive and compatible with most substrates and Thermal Insulation Products.

Advantages

- Economical
- Quick Setting
- Non-Flammable and Environmentally Safe
- Excellent adhesion & High strength
- Excellent bonding to PVC Membranes (VCT, LVT, SVT, LVP, VET)
- Suitable for the adhesion to Thermal Insulation Materials such as XPS, EPS or PIR
- Excellent adhesion to most Porous or Non-Porous surfaces

Standard Compliance

Technical Properties

STARBOND WB PVC	Typical Values & Laboratory Conditions
Base	Synthetic resin
Color	Cream
Viscosity, Cps @25°C, S 3, rpm 20	20,000 – 40,000
Solid Content, % @110°C, 2 hrs	65 – 75 %
Density, kg/L	1.2 – 1.4
Coverage, m2/kg	3 – 4 m2
Wet Film Thickness, mm per coat	0.1 – 0.2
Flash Point, °C	N/A
Service Temp, °C	-20 to +90
Open Time, min	10 - 30
Solubility	Water
Cleaning	Clean all tools immediately with warm water
Non-Volatile Content	< 2 g/L
Open Time	10 to 30 minutes
Wet Flammability	Non Flammable

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Application

SURFACE PREPARATION

The surface should be clean, dry, sound and free from oil, grease and wax contamination or others.

PRIMING

Priming is normally not required on good quality substrates.

APPLICATION

STARBOND WB PVC should be applied on clean, dry, oil-free and sound (To clean surface use power blower) surfaces.

STARFIX FA A-37 should not be thinned.

Brush:

Use a clean paintbrush. Uniformly, apply to the surfaces at 3 – 4 m²/l per coat. Press Materials into place, making sure complete contact is made with applied adhesive. Bond may be made after observing the evaporation time within 10 to 15 minutes.

Apply the adhesive on the substrates & observe the open time, then assemble the surface by applying normal hand pressure.

Allow the completed assembly to dry at least 24 hours above 25°C before testing.

High humidity (70%) and or cooler temp. may retard drying. Total WFT to be 30-35 mils.

Curing

STARBOND WB PVC is set to tough within 1h after application and Dried Through within 24h.

Limitations

To resist wash off, allow at least 12-15 hours drying time above 4°C, with a relative humidity of 50%. Higher humidity or lower temperatures may retard drying.

Always test foil and paper facings for acceptable adhesion.

If used between impermeable surfaces, drying time will be extended.

Cleaning:

Remove **STARBOND WB PVC** from product from tools and equipment with warm water before the initial set. Cured material can only be removed mechanically.

Packing & Coverage:

STARBOND WB PVC is packed in 12 Kg and 20 Kg pails.

Product	Pack Size	Theoretical Coverage
STARBOND WB PVC	20 Kg pail	Subject to type of surface and nature of material being bonded 3 - 4 m ² /l

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage:

The original sealed Pail of **STARBOND WB PVC** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Health & Safety:

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

STARBOND WB PVC is not considered hazardous.

For detailed information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

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Additional Information:

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative