

KEY BENEFITS SUMMARY

- Ideal for bonding of illbruck ME220 EPDM membranes in facade installations
- Cured adhesive has excellent resistance to weathering and the ageing effects of UV exposure
- Adhesive accommodates a wide fluctuation in temperature from -20°C up to +80°C
- Cures within 20 minutes to form a high strength and elastomeric connection
- High initial adhesion strength

PRODUCT INFORMATION

Description

illbruck CT113 is a viscous contact adhesive based on synthetic rubber and resins.

Usage/Purpose

illbruck CT113 Contact Adhesive is a special adhesive developed for the bonding of illbruck ME220 EPDM membranes, particularly in facade applications.

illbruck CT113 is compatible with surfaces such as wood, metal, masonry and other building materials.

LIMITATIONS

Solvents contained within the adhesive may damage sensitive surfaces. The adhesive is not suitable for direct application onto polystyrene, PVC, asphalt or bitumen.

Colour

Black

Packaging

4.7 kg pail

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details).

USAGE GUIDELINES

Necessary Tools

Installation requires the use of a tape measure, scissors, cutter, brush, seam roller, container for adhesive dilution, mixing tool, solvent (Tremco AW421). In certain cases, adhesive tape may be required for temporary fixing of membranes.

Preparation

- Always carry out a test to confirm compatibility prior to use.
- All surfaces must be dry, clean and sound, free from dirt, grease and other contamination.
- Use mechanical abrasion to clean porous surfaces if necessary before sealing.
- It is recommended to degrease the substrate (and membrane if necessary) by using isopropanol.

Priming

- Porous substrates may need to be primed. As a primer, dilute illbruck CT113 in ratio 1 part illbruck CT113 to 2 – 3 parts Tremco AW421 (by volume).
- Apply primer onto porous materials using brush or roller to the whole of the final bonded area (Fig.1).
- Application of the adhesive must be delayed until after the primer is fully cured (10 – 30 min).
- Use a separate container for the primer dilution and never return the remaining mixed material into the illbruck CT113 adhesive.
- The use of primer onto porous materials not only improves

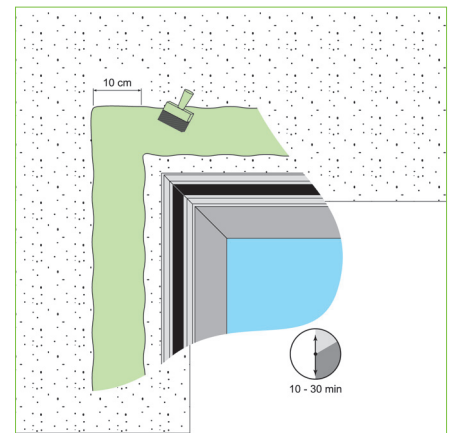


Fig 1: Application of primer

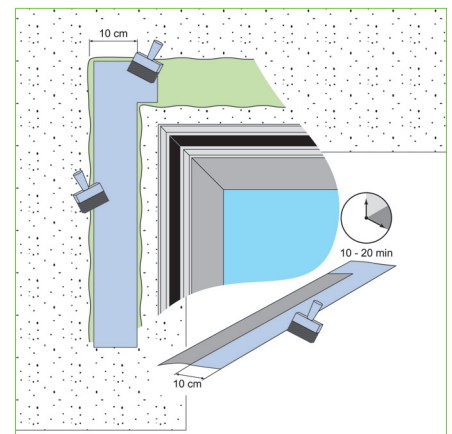


Fig 2: Application of illbruck CT113

adhesion but also reduces consumption of adhesive and substantially extends the processing time which is beneficial especially on hot summer days.

Application

- Adhesive must be mixed thoroughly before application.
- Apply illbruck CT113 using a brush or roller evenly to both surfaces to be bonded (see Fig. 2).
- After applying the adhesive, allow to flash off (approx. 10 – 15 min using finger touch test). This is very important to ensure good adhesion.

TECHNICAL INFORMATION

	Test Method	Result
Composition		Synthetic rubber and resin
Curing System		physical drying
Density	at 20°C	0.82 g/cm ³
Final Adhesion Strength		24-48 hours
Peel Strength		50 N / 25 mm
Drying Time	+20°C and 60 % air humidity	approx. 20 minutes
Temperature Resistance		-20°C up to +80°C
Application Temperature		+5°C up to +35°C

- After flashing off, both bonded surfaces must be connected and the top layer must be pressed thoroughly using a seam roller.
- In the case of heavier strips, the membrane must be fixed temporarily until sufficient adhesive loading capacity is achieved.
- The recommended bonded width between membranes and porous surfaces (concrete, brick, etc.) is minimum 100 mm. A 20 – 30 mm overlap is recommended for non-porous surface bonding.
- In case of unwanted thickening of the adhesive, dilute with Tremco AW421 and mix until homogeneous. The amount of solvent added must not exceed 10%.
- For sealing of overlaps and membrane connections, use illbruck OT015 Adhesive. Connections of membranes to asphalt or PVC hydro - insulation foils must be made with a metal cover plate. In the case of bonding between membrane and styrene foam, use solvent free paste adhesive illbruck MS020.

Important Warning

Solvents contained within adhesive can cause damage or colouring of surfaces made of plastic, polystyrene, asphalt

or PVC. The adhesive is not suitable for direct application on polystyrene or bitumen strips.

Coverage

(Per 4.7 kg unit)
 As adhesive: 94 m @ 100 mm width (applied to membrane and substrate)
 As primer: 329 m @ 100 mm width (diluted 3 : 1 with Tremco AW421).

Cleaning

Clean tools and any uncured adhesive with Tremco AW421 Heavy Duty Cleaner. Cured adhesive can only be removed mechanically.

Storage

Store in dry shaded conditions between +5°C and +25°C.

Shelf Life

12 months when stored as recommended in original unopened packaging.

Health and Safety Precautions

Keep out of the reach of children. Avoid any contact with the eyes and skin. Do not smoke when using the adhesive or primer, and use only in well ventilated areas Product Safety Data Sheet must be read and understood before use.

Technical Service

Tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 0191 419 0505.

Guarantee / Warranty

Tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco illbruck written instructions and (b) in any application recommended by Tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.