

Cl/SfB		Yt3	
CAW Z20			
Uniclass L6732:P74			

Description

CT113 is a viscous liquid adhesive made from a blend of synthetic rubber and resins, developed for the bonding of illbruck EPDM membranes.

Colour

Black

Packaging

4.7 kg pail

Technical Information

Characteristic	Classification
Composition	A blend of synthetic rubber and resin
System	Solvent evaporation
Specific Gravity	0.8
Drying Time (at 20°C)	approx. 20 minutes
Final Adhesion Strength	24-48 hours
Peel Strength	50 N/25 mm
Application Temperature	+5°C to +35°C
Service Temperature	-20°C to +80°C
Storage	Store in shaded, dry conditions between +5°C and +25°C
Shelf Life	12 months when stored as recommended in original, unopened containers

Necessary Tools

- Installation requires some or all of the following depending on whether priming is required: tape measure, scissors or illbruck shears, sharp knife, brush, seam roller, container for adhesive dilution for priming, mixing tool, solvent (AW421). In certain cases, adhesive tape may be required for temporary fixing of membranes.

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

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.



CT113

EPDM Membrane Adhesive

Usage / Purpose

CT113 is a viscous adhesive developed for the bonding of ME220 EPDM membranes, particularly in façade applications. CT113 is compatible with surfaces such as wood, metal, masonry and other building materials.

Key Benefits

- Ideal for bonding of 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 service temperature from -20°C up to +80°C
- Cures within 20 minutes to form a high strength and elastomeric connection
- High initial adhesion strength

Priming

- Porous substrates may need to be primed. As a primer, dilute CT113 in ratio 1 part CT113 to 2 – 3 parts AW421 solvent (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 CT113 adhesive.
- The use of primer onto porous materials not only improves adhesion but also reduces consumption of adhesive and substantially extends the processing time which is beneficial especially in elevated temperatures.

Application

- Adhesive must be mixed thoroughly before application.
- Apply 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.
- After flashing off, both bonded surfaces must be connected and the top layer pressed thoroughly using a seam roller.
- For ensuring robust air and weather tight seals at the membrane corner joints, illbruck ME241 EPDM Corners should be used. The ME241 Corners can be applied before or after the membrane. For further details, please consult the ME241 TDS.
- In the case of heavier strips, the membrane may need to 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 AW421 solvent and mix until homogeneous. The amount of solvent added must not exceed 10%.
- For sealing of overlaps and membrane connections, use 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 illbruck OT008 paste adhesive.

Coverage

As adhesive: 94 m @ 100 mm width/4.7 kg pail (applied to membrane and substrate)

As primer: 329 m @ 100 mm width/4.7 kg pail (diluted 3 : 1 with AW421)

Cleaning

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

Please Note

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

Health & Safety Precautions

Safety data sheet must be read and understood before use. Highly flammable- keep away from open flames and other ignition sources.

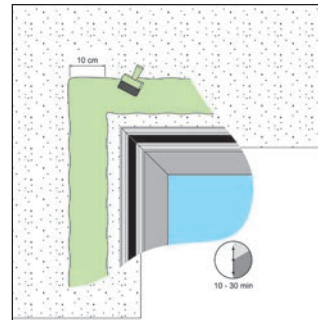


Figure 1

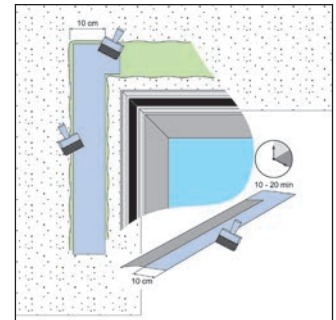


Figure 2

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 01942 251400.

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.