

Cembond Description.

Technical Datasheet

CEMBOND-MAX Strength Adhesive is a revolutionary, solvent-free hybrid polymer adhesive that provides an exceptional solution for all your bonding and sealing requirements. It utilises the latest polymer technology, offering outstanding UV resistance and primerless adhesion to most substrates. Once cured, it forms a robust and flexible sealant capable of withstanding harsh conditions while resisting abrasion, oil, and solvents..

Application.
In the construction industry, CEMBOND-MAX Strength Adhesive is ideal for perimeter sealing of CemBacker boards and sealing expansion and construction joints. It can be used on moist surfaces. Additionally, this product finds suitability in various applications within the automotive, roofing, marine, and coachwork industries. It is suitable for sealing and bonding connection joints in cement building boards, ducting, ventilation, and air conditioning installations.

Limitations.
It is not recommended to use CEMBOND-MAX Strength Adhesive to seal aquariums. For submerged joints, special attention should be given to surface preparation and application, and integrity should be regularly checked. Always verify the suitability of the sealant for any surface that raises concerns.

Technical Specification.

Cure system:	Cures by vulcanisation upon exposure to moisture in atmosphere.
Specific gravity:	Colours: 1.45 – 1.50: Translucent: 1.03-1.07
Skinning time:	Approx. 15-20 minutes (at 23°C and 50% relative humidity).
Cure rate:	Approx 3mm per 24Hrs (at 23°C and 50% relative humidity). As the joint depth increases, the cure rate will slow down.
Shore ‘A’ hardness:	approx. 45 - 55 (DIN 53505)
Tensile strength at break:	0.6 MPa
Movement accommodation:cembloc	±20%
Application temp range:	+5°C to +35°C.
Service temp range:	-40°C to +100°C.
Shelf life:	Minimum 12 months when stored in unopened cartridges under cool, dry conditions.
Life expectancy:	When used and applied correctly the sealant will perform in excess of 20 years.

Application Instructions.

Surfaces to which the CemBond is to adhere to. Ensure the area of application is clean and free from loose material, standing water or contaminants, which otherwise may impair the bond. Non-porous surfaces such as aluminium should be cleaned with a suitable product. CemBond may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate. For application where some movement will be exhibited i.e. construction joints, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm wide by 12mm deep. Where deeper joints are found, depth can be reduced using a suitable backer rod. Areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm. If conditions are suitable for application, ensure joints are properly prepared and apply sealant firmly into the joint using an application gun. Ensure a good solid fill is achieved. Once applied, sealant can be tooled within 10 minutes to required finish. The cured sealant can be painted if required but is not necessary. Painting sealant in a movement joint is not recommended as the movement of the sealant may be greater than the flexibility of the paint, leading to cracking or crazing of the paint film.

Coverage.

One 285ml cartridge is sufficient to seal approximately:

- 10 metres with a 6mm bead.
- 17.2 metres with a 4.5mm bead.

Drying Colour.

White.

Storage.

Store in dry conditions between 5°C and 25°C. Shelf life is 12 months when stored in unopened cartridges under cool, dry conditions and will perform in excess of 20 years in service if applied correctly.

Health And Safety.

- Consult Health and Safety Data Sheet.
- Avoid contact of uncured sealant with the skin. If uncured sealant comes into contact with eyes, flush out immediately with clean water for at least 5 minutes and seek medical advice.
- Use in a well-ventilated area.
- Care should be taken during use and storage.
- Do not use with food or drink around and ensure hands have been adequately washed prior to eating or drinking.
- Keep away from children and animals.

Further Information.

This data is offered in good faith and are typical values, not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Standard Dimensions.

Cartridge

285ml tube



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