

Flexbond HD100

Universal elastic assembly adhesive and sealant



DESCRIPTION

Flexbond HD100 is a one-part, high-modulus, neutral-cure all-purpose adhesive and sealant. Flexbond HD100 is based on a hybrid polymer that conditions its universal application. It cures at room temperature in the presence of moisture to form a permanently flexible product. Flexbond HD100 exhibits outstanding adhesion, excellent storage stability and very good processing properties.

APPLICATIONS

Flexbond HD100 has a wide application in construction, industry and the household:

- » For flexible bonding of a wide variety of materials, such as wood, glass, metals, plastics or mineralbased substrates.
- » For stress-relieving bonding and fixation.
- » Joints in construction.
- » Installation of mirrors.
- » Filling cracks and gaps.

ADVANTAGES

- » Solvent-free.
- » Isocyanate free, phthalate free, tin free - harmless for the environment.
- » Odorless.
- » All-purpose.
- » Can be sanded.
- » Tack-free and highly elastic after curing.
- » Easy to process from +5°C to +40°C.
- » Stable at temperatures from -40°C to +80°C.
- » Suitable for adhesion to many different surfaces, even without a primer.
- » Non-corrosive.
- » Paintable.
- » Weatherable and highly resistant to mineral oils, solvents, acids and alkalis.

METHOD OF USE

Substrates must be clean and free of dust and grease. The form of application will depend on the type of container chosen and the job in question.

The adhesive can be squeezed out through a cartridge nozzle or applied to larger areas with a trowel.

Flexbond HD100 requires moisture in order to cure. The adhesive should therefore be applied in bead form to moistureimpermeable substrates, or else these should be moistened prior to bonding.

TECHNICAL PROPERTIES @ 23°C, 50% RH:

Colour:	White
Density:	1.5 g/cm ³
Extrusion rate:	4 - 9 g/ 10s
Skin forming time:	20 - 50 min
Elongation at break: ISO 37	400%
Tensile strength: ISO 37	1.7 MPa
Tear strength: ISO 34-C	9 MPa
Shore A hardness:	50
Modulus @ 100% elongation: ISO 37	1.1 MPa

PACKAGING

Flexbond HD100 is available in 280 ml cartridges, 12 pcs in a box. Polyethylene nozzles are included in each box.

STORAGE

Flexbond HD100 should be stored in original unopened packages in dry storage conditions, away from direct sunlight light, at temperatures below 30°C.

SHELF LIFE

Flexbond HD100 has a shelf life of 12 months if stored under the recommended conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

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Flexbond HD100

CAUTIONS

HEALTH AND SAFETY

Keep it away from children. Product is non-hazardous once cured.

For further information refer to the Material Safety Data Sheet.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.