

Flexbond GP

General purpose hybrid polymer adhesive sealant



DESCRIPTION

Flexbond GP is a one-component, solvent-free, general purpose hybrid polymer adhesive sealant specially designed to form a flexible and permanent bonding agent and adhesive for a wide range of substrates and construction materials.

Flexbond GP 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 with outstanding adhesion.

Flexbond GP provides strong and reliable hold without sagging. It also offers excellent processing properties and exhibits exceptional storage stability, ensuring consistent performance over time.

APPLICATIONS

Flexbond GP is suitable for adhering and fixing several types of materials on common substrates including concrete, masonry, stone, aluminium, galvanized steel, ceramic, porcelain, glass, PVC, wood, mirrors, painted metals and steel.

Examples of applications include but are not limited to:

- » Cover plates, gaskets and coverings.
- » Paver caps, masonry veneer and faux stone.
- » Roof tiles.
- » Fixing pedestals in raised access floors.
- » Various truck, bus and trailer assemblies.
- » Wood or metal window and door frames.

ADVANTAGES

- » High adhesion strength with all common construction materials.
- » Strong and reliable hold without sagging.
- » Fast curing rate.
- » Highly durable.
- » Easy to process from +5°C to +50°C.
- » Excellent weathering resistance.
- » Wide service temperature range.
- » Non-corrosive.
- » Water-resistant.

STANDARDS

Flexbond GP complies with EN 15651-1:2017, F-EXT-INT-CC, Class 7.5P*.

*Except for elastic recovery.

TECHNICAL PROPERTIES @ 23°C, 50% RH:

Colour:	White
Density:	1.49 ± 0.05 g/cm ³
Skin time:	30 - 40 min
Tack free time: ASTM C679	40 - 60 min
Hardness Shore A: ASTM C661	50 ± 5 @ 7 days
Full cure:	7 days
Curing rate:	≈ 2.5 - 3.5 mm/day
Elongation: ASTM D412	> 350% @ 7 days
Tensile strength: ASTM D412	> 2 MPa @ 7 days
Tear strength: ASTM D624	10 N/mm
Service temperature:	-20 up to 70°C
Application temperature:	5 up to 50°C
Effects of accelerated weathering: ASTM C793	Pass No cracking
Effect of heat aging: ASTM C1246	Pass @ 70°C
Loss of volume: ISO 10563	≤ 25%
Resistance to flow: ISO 7390	≤ 3 mm
Tensile properties (elongation at break): ISO 8339	≥ 25%
Adhesion/Cohesion after water immersion (elongation @ 23°C) ISO 10591	≥ 25%
VOC: ASTM D2369	≤ 10 g/ltr (comply with LEED)



Flexbond GP

METHOD OF USE

SURFACE PREPARATION

All substrates should be clean, dry, free from dust, oil, grease and any contaminations that could affect the adhesion.

If the substrates need clean, use methyl ethyl ketone (MEK), acetone or grease remover. Always be sure that the substrates are dry before the application.

APPLICATION

The recommended application temperature range is 5°C to 50°C. For cold weather applications, it is recommended to store the product in a heated area at 20°C for 24 hours before use.

Extrude the adhesive firmly on the bonding surface in a bead or as spot welding.

CLEANING

Clean tools and equipment first with paper towels and then wipe with Acetone, xylene or other suitable solvents.

PACKAGING

Flexbond GP is available 600 ml sausages or 280 ml cartridges.

STORAGE

Flexbond GP should be stored in original unopened packages at temperatures between 5°C and 25°C in a dry place.

SHELF LIFE

Flexbond GP has a shelf life of 12 months from date of manufacture if stored under the recommended conditions.

If these conditions are exceeded, contact DCP Technical Department for advice.

CAUTIONS

HEALTH AND SAFETY

Flexbond GP comes into contact with the eyes, flush with copious amounts of cold water and obtain medical attention.

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.

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.