



# BAYCOFLEX-DD6026

## Polyurethane based, one component, UV resistant joint sealant


### Description:

BAYCOFLEX-DD6026 is a polyurethane based, one component and water tight joint sealant with UV resistance which can be applied by a sealant gun.

### Areas of Application:

- All construction joints,
- Precast concrete construction elements,
- Dilatation joints,
- Irrigation facilities,
- Window edges,
- Stair steps,
- Joints between different construction materials (concrete, wood, marble, aluminum, steel, ceramic, gypsum board, etc.).

### Properties/Advantages:

- The product is suitable for both horizontal and vertical applications.
- It is suitable for vertical joints up to 25 mm. width.
- It has very high elasticity and preserves this feature even at cold temperature such as -30°C.
- It is solvent-free and PVC-free.
- It is watertight and suitable for all conditions.
- After curing, it is harmless. Therefore, it can be used at potable water tanks.
- The product has high chemical, UV and abrasion resistance.
- It has high resistance against micro organism formation.
- BAYCOFLEX-DD6026 can be applied without a primer to most surfaces.
- It can be painted with suitable paints.
- It has a wide range of application temperature (+5- +35°C).
- It is suitable to use in contact with potable water. 

### Technical Data:

Basis:	polyurethane
Density:	1,15 g/cm <sup>3</sup> at 20°C (DIN 53479)
Shore-A Hardness:	40±5 (ASTM D 53505)
Modulus %100:	0,4 MPa(DIN 53504)

### Temperature Resistance

(Cured):	-30°C to +80°C
Application temperature:	+5°C to +40°C
Adhesion in peel:	>32 N (ASTM D 1640)
Tack free time:	60-90 min (25°C, 55% RH)
Cure rate:	2 mm/day
Elongation at break:	>%500 (DIN 53504)
Tear Strength:	10 N/mm

### Packaging:

600 cc. sausage

### Storage:

12 months in the original unopened package when stored dry and between +5 - +25°C.

### Surface Preparation:

Remove all laitance, paint, traces of oil, contamination or other adhesion prohibiting materials by appropriate tools/methods. Re profile any damaged/broken edges with one of BAYCOCRET-105, BAYCOCRET-130 or BAYCOCRET-BT25/K, followed by the application BAYCOFLEX-PR230 prior to the sealant application. Ensure that the moisture levels in the concrete are always below 4% and there is no back pressure during or after application. If joints will be trafficable, ensure that the joint edges are rounded off and sealant is 1mm below floor level.

### Method of Application:

#### Gun Application:

- The ambient temperature must be between +5 - +35°C.
- Do not apply BAYCOFLEX-DD6026 when frost is expected within the first week of application. For cold weather applications, store the material for at least 24 hours at 20°C and maintain a frost free environment for 1 week after the application.
- The substrate temperature must always be between +5 - +30°C.
- Always use a bond breaker or backer rod behind BAYCOFLEX-DD6026.

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- Always use a masking tape to avoid external contamination of joint. Remove masking tape immediately after sealant has been tooled.
- Always ensure that the joint width : depth ratio is maintained at 2 : 1 with a depth not less than 10 mm.
- Use appropriate barrel gun with the nozzle cut to the required bead size.
- Insert BAYCOFLEX-DD6026 sausage into barrel gun and cut off end before securing on cap and nozzle.
- Firmly extrude BAYCOFLEX-DD6026 into joint ensuring that joint is filled. Avoid under-filling and re-runs (topping off) as this will cause air entrapment and other adverse effects.
- Remove excess material and level off.
- Tooling must commence immediately after application.
- Protect applied material from dirt and moisture until fully cured.

## Consumption:

Joint size (mm)	yield/sausage (meter run)
5 X 5	24,00
10 X 6	10,00
12 X 10	5,00
15 X 10	4,00
20 X 10	3,00
25 X 15	1,60
30 X 15	1,33
40 X 20	0,75

## Primers:

BAYCOFLEX-PR230 can be applied typically between 5% - 10% of sealant by weight of sealant volume depending on joint width, porosity and other wastage factors on site.

## Cleaning:

Clean tools with paper towels first then with solvent right after the application.

## **Important Advices:**

- Not suitable for joints expecting movement accommodation factor exceeding that of BAYCOFLEX-DD6026.
- Not suitable for weak substrates.
- Not suitable for oil, grease, bitumen or laitance-contaminated substrates.
- Not suitable for horizontal joints expected to receive high traffic or abuse.
- Not to be applied on extremely porous or humid substrates unless primed with BAYCOFLEX-PR230.
- Although generally over paintable, compatibility tests must be conducted.
- May yellow/lose gloss under prolonged UV exposure without loss in sealing properties.

## **Health and Safety:**

The material contains solvent, after curing not harmful to health. Please refer to the MSDS for details.