



**TDS**

**MXBON® PU 40 A**

## PRODUCT SPECIFICATION

# MXBON® PU 40 A

### 1. PRODUCT DESCRIPTION

A high quality, one component polyurethane sealant with high modulus for a wide range of sealing and bonding applications.

### 2. PROPERTIES

- One-component.
- Easy application with gun.
- Thixotropic.
- Cures with the humidity in the air.
- Paintable.
- No volume change.
- Resistant to weather conditions and water.
- Permanent elasticity.
- No over joint expansion-bubble free curing.

### 3. TECHNICAL DATA

<b>Chemical base</b>	Polyurethane
<b>Curing mechanism</b>	Atmospheric Moisture
<b>Specific gravity (DIN 53479)</b>	1,15 ± 0,03 g/cm <sup>3</sup>
<b>Tack free time (25°C and 50% R.H)</b>	60–90min.
<b>Cure rate: (25°C and 50% R.H)</b>	2mm/24hour
<b>Hardness (shore A) (DIN 53505)</b>	40 ± 5 Shore A
<b>Modulus 100 % (ISO 8339)</b>	0,4 MPa
<b>Elongation at break: (ISO 8339)</b>	> % 500
<b>Tear strength: (DIN 53515)</b>	10 N/mm

### 4. APPLICATION DETAILS

Application Temperature: +5°C to +35°C  
Temperature Resistance: -30°C to +80°C

The application surface must be solid, clean, dry and free of dust, oil and grease. Apply a primer if necessary. If necessary, rub down metal surfaces before usage. Allow the substrate to dry after degreasing. It is recommended to clean concrete with a metal brush.

Used for;

- Is capable of adhesion to cement-based building materials, brick, ceramic, marble, glass, wood, galvanize steel, aluminum and most plastic surfaces.
- Used in construction industry, in the cavities of the joints between building elements.
- Used for joints and assembly of aluminum, PVC, wooden framing.
- Used for laying of roof tiles.
- Can be applied by a manual or pneumatic gun.
- After application, it is needed to smooth the joint with soapy water.
- It is suggested to use a cartridge or sausage in 24 hours after opening.
- Do not apply at a temperature under 5°C.
- In cold weather, store the packages at about 20°C before use.
- MXBON PU 40 A can **not** be used on bituminous substrates, natural rubber, EPDM rubber or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.
- If there is a moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.

Revision date: 08/2019 - Revision: 01

## PRODUCT SPECIFICATION

# MXBON<sup>®</sup> PU 40 A

- Opened cartridges should be used the same day.
- During application, avoid air-entrapment.
- There can be slightly color change in white and grey shades when exposed to ultraviolet rays.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Maximum depth of sealant must not exceed 12mm; minimum depth is 0.5mm.

## 5. PACKAGING

Available in 290ml cartridges. Other packs available on request.

## 6. COLOURS

Available in white, grey & black. Some other colours available on request.

## 7. SHELF LIFE

Store the product in a cool and dry place.

The shelf life is 12 months at temperatures between +5°C and +25°C.

## 8. CAUTION

Keep out of reach of children.

Avoid contact with skin and eyes.

Use in well-ventilated places.

Don't breathe vapors.

Do not smoke when using the product.

## 9. HEALTH & SAFETY

Refer to the relevant Material Safety Data Sheet (MSDS).

Disclaimer: The data contained herein are furnished for informational purposes only and are believed to be reliable. However, Cartell UK Ltd does not assume responsibility for any results obtained by persons over whose methods Cartell UK Ltd has no control. It is the user's responsibility to determine the suitability of Cartell UK's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Cartell UK Ltd's products. Cartell UK Ltd specifically disclaims all warranties express or implied, including warranties of salability and suitability for a particular purpose arising from sale or use of Cartell UK Ltd's products. Cartell UK Ltd further disclaims any liability for consequential or incremental damages of any kind including lost profits.

Revision date: 08/2019 - Revision: 01