



BCR Ltd. UK

BUILDING CHEMICAL RANGE

<https://twitter.com/buildingchemica>
www.buildingchemicalresearch.co.uk

BCR PU SEALANT

DESCRIPTION

BCR PU SEALANT is a one component, moisture curing, polyurethane construction sealant. The product has been formulated to offer a non-slump elastomeric sealant, which exhibits good skin formation time and fast cure.

TYPICAL USES:

BCR PU SEALANT may be used for bonding and sealing most common building materials including concrete, wood, lacquered metal, anodized aluminum and glass. BCR PU SEALANT has high elasticity, excellent recovery and tear resistance and good weatherability. BCR PU SEALANT can also be used in submerged conditions

ADVANTAGES

- Tough resilient seal
- No primer required
- Non staining
- Good resistance to dilute acids and alkalis
- Available in range of colours
- Non-toxic - safe for potable water applications

STANDARD COMPLIANCE

ISO 11600 Class F 25LM

ASTM C 920

TECHNICAL DATA

Colours black, grey, white, teak, middle grey (special colours subject to minimum order size)

Movement accommodation factor 45%

Consistency thixotropic

Specific gravity @ 20°C 1.3

Tooling time @ 20°C and 50% R.H.) 60 min.

Paint compatibility water-based: Compatible solvent based: check compatibility

Skin formation time

(23°C 50% R.H.) 4-6 hours

Curing speed

(23°C 50% R.H.) 3.5mm per 24 hours

Shore A hardness

MEI 022 25 - 30

Modulus at 100%

Elongation (ISO 8339) 0.39 MPa

Elongation at break (ISO 8339) >250%

Temperature resistance -20 to +80°C

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APPLICATION:

Preparation

It is essential that the joint arises are clean and free from any deleterious matter which could prevent adequate bond to the substrate. The substrates must be clean, dry, free of dust and grease.

Application

BCR PU SEALANT shall be applied with a manual or pneumatic caulking gun. The product should be gunned into the prepared joint. Do not apply the sealant at temperatures $<5^{\circ}\text{C}$. Do not apply on wet substrates. After application the sealant can be smoothed with a gloved finger using soap and water as lubricant. For submerged conditions a firm backing and good adhesion to joint sides are essential. Concrete must be fully cured (4 weeks) and use of Primer P11 is recommended.

EQUIPMENT CLEANING

BCR PU SEALANT should be removed immediately from tools using solvent (white spirit) before curing. Cured material can only be removed by mechanical means.

PACKAGING AND YIELD

BCR PU SEALANT is supplied in 600ml sausage sachets. One sachet will fill 6 LM of 10mm x 10mm joint.

Width to Depth Ratio:

1 : 1 for joints up to 10mm wide.

2 : 1 for joints over 10mm wide.

APPLICATION TEMPERATURE RANGE

Minimum $+5^{\circ}\text{C}$

Maximum $+40^{\circ}\text{C}$

STORAGE AND SHELF LIFE

BCR PU SEALANT has a shelf life of 12 months when stored in original packaging at a maximum temperature of 30°C . If stored at high ambient temperatures or at high humidity the shelf life will be reduced by as much as 50 - 60%.

HEALTH AND SAFETY

BCR PU SEALANT contains isocyanate and should not come into contact with skin or eyes. If swallowed, DO NOT induce vomiting. Seek medical attention immediately. Refer to product MSDS for more information.

<http://pusealant.blogspot.ae/2015/07/bcr-pu-coating-polyurethane-eco.html>

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