



ConcastTM J-Seal PU1

Single Component High Performance Polyurethane Joint Sealant

Product Description : Concast J-Seal PU1 is a high performance, single component, moisture curing, polyurethane sealant ideally suited for a number of construction applications.

Uses:

- Interior and exterior
- Above and below grade
- Immersed in water
- Floor joints
- Panel walls
- Precast units
- Aluminum and wood window frames
- Roofing

Features & Benefits :

- Excellent adhesion on most construction material – concrete, brick, wood, aluminum, iron, stainless steel, copper and various plastics
- Joint movement capability $\pm 25\%$
- Single component with fast rate of cure
- Easy to gun and tool to speed up application and make neater joints
- UV resistant
- Can be overpainted / sanded
- Primerless for most applications
- Good elasticity and flexibility
- Not corrosive & resistant to all weather conditions

Specifications/ Compliances :

- ASTM C 920, Type M, Grade NS, Class 25, use NT, T, A, M, O* and I
- ISO 11600 (Type F 20LM)
- ISO 11600 (Type F 25HM)

Product Properties & Technical Specifications :

Form:	Thick paste
Colour:	Grey
Chemical Base:	Polyurethane
Density:	1.30 kg/L
Movement accommodation factor (MAF):	±25%
Application Temperature:	5°C to 50°C
Joint Configuration:	Minimum Joint Width- 8mm Maximum Joint Width- 40mm
Width:Depth Ratio :	2:1
Curing Rate:	1/8" per 24 hours
Curing Mechanism:	Moisture curing
Extrusion Rate:	(-40°C to -90°C)
Pot Life:	2 hrs (Approx.)
Hardness, Shore A (ASTM D2240):	15±5
% Elongation (ASTM D638):	500 to 600

Application Methodology :

All surfaces must be clean, dry and free from any loosely adhering particles.

Check the joints edges for soundness and if found weak cut recess and fill up with suitable repair mortar. Correct joint depth can be established by inserting polyethylene based backer material tightly into the joint. When the joints have been filled with fibre filled board, this must be raked back to the required depth. Protect surfaces with masking tape.

Insert cartridge into sealant gun and firmly extrude Concast J-Seal PU1 into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. Concast J-Seal PU1 must be tooled firmly against joint sides to ensure good adhesion. Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft. Slick joint with smoothing liquid for a perfect sealant surface.

Storage & Shelf Life:	12 months from the date of production when stored properly in unopened, undamaged and sealed original packaging in cool and dry condition at temperature
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Packaging:	Available in 600ml Sausages.
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Value Base :

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.



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