



Coldseal 200/90

Two Parts Polyurethane Sealant

202008

DESCRIPTION

Coldseal 200/90 is a cold applied, two part modified polyurethane cold applied sealant for sealing joints in concrete paved areas, roads, bridge decks, airfield runways and warehouses. It is capable of accommodating above average movement, and severe climatic conditions. Coldseal 200/90 is highly adherent to most materials commonly used in construction. It is available in pouring grade only.

Coldseal 200/90 is resistant to fuel, oil and hydraulic fluid spillage, will not harden in cold weather nor become excessively soft or pick up in hot conditions. Coldseal 200/90 has high durability and a long service life which significantly reduces maintenance costs.

USES

Coldseal 200/90 has been specifically developed for sealing contraction and expansion joints in internal and external concrete slabs where resistance to attack by fuel and oils is required.

SPECIFICATION COMPLIANCE

- BS5212 : 1990 Part 1 Type N
- G.S. Clause 10.12(1)



ADVANTAGES

- Cold applied – no heating equipment required.
- Fuel, oil and hydraulic fluid resistant.
- Self levelling.
- Tough rubbery seal, tolerant of climatic variations.
- Improved sealing efficiency – less maintenance.
- High movement accommodation
- Pitch free – environmentally friendly.

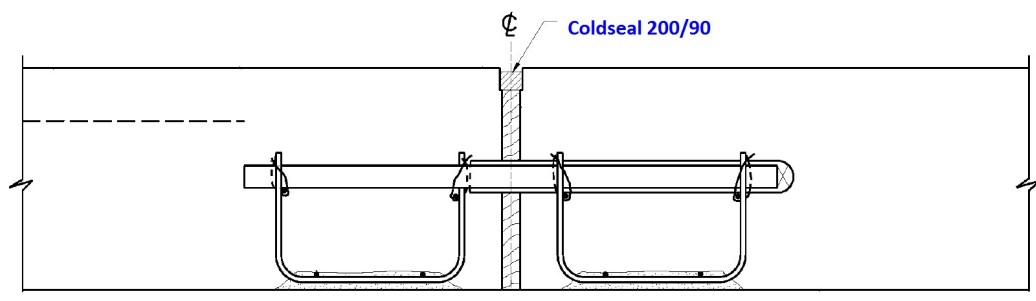
JOINT DESIGN CRITERIA

- For joint in concrete, the depth of the sealant should be equal to the sealant width in joint up to 12mm (Example: 10mm wide x 10mm depth).
- For joint over 12mm width, the sealant depth should be one half the width (Example: 25mm wide x 12.5mm depth).

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PHYSICAL & MECHANICAL PROPERTIES

Base Polymer and Colour:	Two Part Polyurethane and Black
Application Temp:	0°C to 60°C
Pot Life @ 20°C	> 40 minutes
U.V. Resistance:	Excellent
Specific Gravity:	Part A: 1.37 Part B: 1.55
Shore 'A' Hardness:	< 20
Movement Accommodation Factor (BS 6093):	25%
Solids Content:	100%
Cure Time @ 20°C (unaccelerated)	Track Free is around 8 hours. Will accept traffic in 24 hours. Full cure in 3-4 days
Flammability:	Cured sealant dose not readily ignite nor support combustion.
VOC Content:	8.3 g/L
Density:	1.36 kg/litre
Flash point:	Over 65°C
Physical or chemical change:	Chemical cure
Chemical resistance to occasional spillage:	Petrol Aviation fuels Diesel fuels Synthetic oils Mineral oils Hydraulic fluids Kerosene White spirit Skyros Dilute acids Mild alkalis

TECHNICAL DATA

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APPLICATION INSTRUCTIONS

All joints should be dry, free from dust and grease. Cleaning should be carried out by wire brushing or grinding.

Ensure that any expansion joint filler is tightly packed in the joint and at the required depth to provide the seal dimensions specified.

Apply one coat of primer and allow between 30 mins and 2 hours to dry, depending on climatic conditions. The mixed Coldseal 200/90 should be applied when primer is tack free.

If application of Coldseal 200/90 is delayed for more than two hours after priming, joints should be primed.

Add entire contents of part B to part A and mix for a 3 - 5 minutes using a slow speed drill with paddle type stirrer until a completely homogenous mix is obtained. Care should be taken to prevent unmixed material remaining on the sides of the container.

The sealant is then applied to the prepared joint void to finish 5mm below the surface. The sealant should not be applied at temperature below 5°C.



GUIDE TO QUANTITIES

Joint Size (mm)	Metres per 4 litre pack
10 x 10	40
15 x 7.5	35.6
20 x 10	20
25 x 12.5	12.8
30 x 15	8.9
40 x 20	5
50 x 25	3.2

*1 litre SCP Primer Type P for 5 packs Coldseal 200/90.

PACKAGING

4 Litre Pack

STORAGE

The storage shelf life is approximately 12 months but the material should be used before the date stamped on the container. Storage temperature range is 5°C to 25°C. Store in cool dry conditions.

HEALTH & SAFETY

Curing agent and mixed product may cause sensitization by inhalation. Avoid contact with skin and eyes and wear suitable protective clothing including gloves and goggles. Should accidental skin contact occur removed immediately with resin removing cream and then wash with soap and water. Do not use solvent. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

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