



Coldseal 200/90

Two Parts Polyurethane Sealant

202402

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.

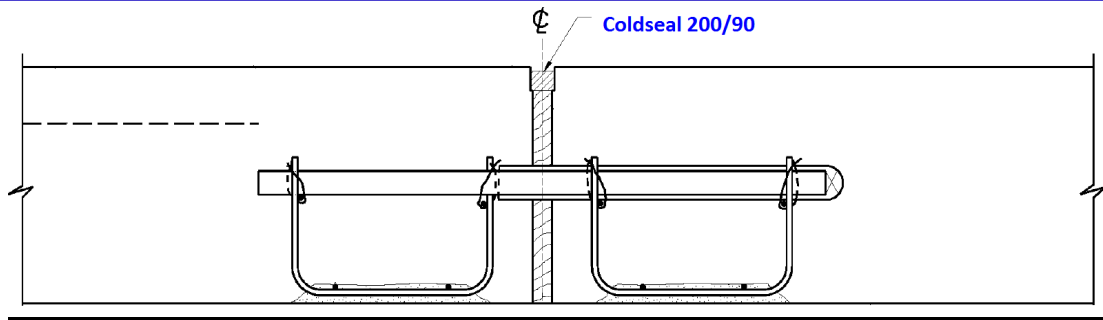
JOINT DESIGN CRITERIA

- 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

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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.



SCP Primer Type P

Primer

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DESCRIPTION

Primer type 'P' is a blend of moisture curing urethane and hydrocarbon solvents forming a clear, brush applied liquid.

USES

Primer type 'P' is used, following joint preparation, to seal porous joint void surfaces prior to the Coldseal 200/90 joint sealants.

APPLICATION INSTRUCTIONS

Primer should not be applied at temperatures below 5°C. A bond breaker strip must be placed at the back of all expansion and contraction joint prior to placing the sealant. Where bitumen impregnated filler boards are used care must be taken to ensure that bitumen does not come into contact with the primer or sealant. All joints should be completely *dry* and free from all traces of dirt, dust, grease, any previous sealants, and other foreign matter. Cleaning may be carried out, by wire brushing, either hand or machine operated, grit blasting or grinding, in all cases, a clean bonding surface must be obtained, Joint sides must



be parallel and straight.

Spalled joints should be repaired with an appropriate material, such as Epoxy mortar. Following preparation, place a bond breaker or back up material into the bottom of the joint void to form the correct cross section for joint sealant and to prevent the sealant bonding to the base of the joint.

A thin coating of Primer type 'P' should be brushed onto the sides of the prepared joint. After priming, allow 30 to 60 minutes for solvents to evaporate and the primer become touch dry before applying the sealant, if application of the sealant is delayed for more than two hours after priming the joints should be re-primed.

SCP Primer Type P

Primer

202402

COVERAGE

1 litre primer for 5 packs
Coldseal 200/90.

PACKING

1 Litre tin

HAZARD DATA

Flammable liquid, flash point 48°C.
Store away from heat and out of
direct sunlight.

Avoid breathing vapour. Wear eye
protection. Avoid skin contact.

In case of eye contact rinse with
water for at least 15 minutes and
seek medical attention.



TECHNICAL DATA

Please enquire about our range of construction product

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability for final function at the job site is assumed. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from the recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in this brochure may change at any time without notice.

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