

UNISEAL 200/90

High performance, pitch free pavement sealant

Description

Uniseal 200/90 is a pitch free high performance two part elastomeric sealant specifically developed for sealing contraction and expansion joints in concrete paved areas, roads, bridge decks, airfield runways, taxiways, hardstandings, fuelling areas, garage forecourts and transport depots. It is capable of accommodating above average movement and severe climatic conditions.

Standard Compliance: BS5212: 1990 Types N,F and FB and US. Fed Spec. SS-S-200E : H

Advantages

- Contains no pitch or tar.
- Cold applied.
- Self levelling.
- High movement accommodation.
- Resistant to oil, fuel, hydraulic fluids.
- Tolerant to climatic conditions.
- Simple application.

Guide to Quantities

Joint Size (mm)	Litres per metre run	Metre run per litre
10 x 10	0.10	10.00
13 x 13	0.17	5.92
15 x 15	0.22	4.44
20 x 15	0.30	3.33
20 x 20	0.40	2.50
25 x 20	0.50	2.00
25 x 25	0.62	1.60
30 x 25	0.75	1.33
30 x 30	0.90	1.11

Application Instructions

Preparation of Substrate:

All joints should be dry, free from dirt, dust and grease. Cleaning should be carried out by wire brushing or grinding. Joint sides must be parallel and straight. Before positioning a bond breaker ensure that the expansion joint filler is tightly packed and no gaps or voids exist at the base of the slot to be sealed.

Priming

(i) Porous Surfaces:

Apply one coat of Uniseal Primer P2 and allow between 30 minutes and 2 hours to dry. The mixed Uniseal 200/90 should be applied when the primer is tack free.

(ii) Non Porous Surfaces:

Apply one coat of Uniseal Primer P2N and allow between 15 minutes and 2 hours to dry.

Note: If application of Uniseal 200/90 is delayed for more than two hours after priming, joints should be reprimed.

Mixing and Application

Add the entire contents of part B to part A and mix for a full 5 minutes using a slow speed drill with paddle type stirrer until a completely homogeneous mix is obtained. Mixing is made easier if Part B is added and mixed in two stages. 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. Use of masking tape will help to obtain a clean finish. The sealant should not be applied at temperatures below 5°C.

For aesthetic purposes very light tooling of the joint material as it gels releases surface bubbles and enhances appearance.

Technical Information

Base Polymer:	Polyurethane
Application Temp:	5°C to 35°C
Service Temp:	-20°C to 70°C
Pot Life @ 20°C:	> 40 minutes
U.V. Resistance:	Excellent
Specific Gravity:	Part A: 1.37 Part B: 1.55
Shore 'A' Hardness:	10-20
Movement Accommodation	
Factor (BS 6093):	25%
Solids Content:	100%
Cure Time @ 20°C: (unaccelerated)	Will accept traffic in 24 hours. Full cure in 4-5 days
Flammability:	Cured sealant does not readily ignite nor support combustion.
Colour:	Black or Grey (Other colours available on request: Red, Red Oxide and Brown)

Chemical Resistance

Petrol	Resistant
Diesel Fuel	Resistant
Aviation Fuel	Resistant
Kerosene	Resistant
Dilute Acids	Resistant
Dilute Alkalis	Resistant
Lubricating Oils	Resistant
Skydrol	Resistant
White Spirit	Resistant
Aromatic Solvents	Not Resistant
Chlorinated Solvents	Not Resistant

Packaging

Uniseal 200/90 is available in 5 litre units.
Uniseal Primer P2 is available in 1 litre cans.
Uniseal Primer P2N is available in 250cc cans.

Cleaning of Tools

Tools should be cleaned with Nuwash solvent as soon as possible after use.

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 sensitisation by inhalation.
Avoid contact with skin and eyes and wear suitable protective clothing including gloves and goggles.
Should accidental skin contact occur remove 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.
Use only in well ventilated areas.
Primers P2 and P2N are inflammable. Do not smoke and do not expose to naked flames or other sources of ignition.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.
Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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