

# Geocel® 200

## FUEL RESISTANT PITCH FREE CONCRETE PAVEMENT JOINT SEALANT

**Geocel®200** is a cold applied two part pitch free elastomeric sealant designed for joints in concrete paved areas. The sealant has been formulated to accommodate repeated and pronounced cyclic movements in extremes of climatic conditions.

**Geocel®200** is flame resistant and resistant to fuel, oil, hydraulic fluid and skydrol spillage, will not harden in cold weather nor become excessively soft or pick up in hot conditions.

- Hand, gun or machine application
- Pitch free
- Self levelling
- Good resistance to grit ingress
- High movement accommodation
- Separate accelerator kits for fast cure
- Primer system for asphalt surfaces
- Chemical resistant

### PRINCIPAL APPLICATIONS

For sealing joints in concrete pavement on: -

- Roads and runways
- Airport hardstandings
- Petrol stations
- Cargo and oil terminals
- Forecourts and car park decks

### SPECIFICATIONS

BS 5212: 1990 Types N, F and FB

Manufactured under ISO 9001

### DESIGN IMPLICATIONS

**Geocel®200** has a movement accommodation factor (MAF) of 50%. When establishing joint spacing and the dimension of the sealing slot it should be recognised that concrete pavements do not always move uniformly and that consequently many joints may be subject to high movement. In this context reference should be made to the BS 6093 design of joints and jointing in building construction.

Joints in concrete pavements are subject to vehicular traffic. In view of this, **Geocel®200** should always be recessed to ensure that at no time during the movement cycle will the sealant extrude above the level of the pavement surface.

**Geocel®200** is an elastomeric sealant and movement accommodation advantage can be gained by maintaining a slot width to depth ratio of between 1:1 to 2:1. A sealant depth of 10mm should however be regarded as an absolute minimum to take into account normal tolerances associated with insitu concrete.



## TECHNICAL DATA

<b>Form</b>	Viscous based component Liquid curing agent
<b>Storage Life</b>	12 months in original containers stored below 25°C
<b>Solids Content</b>	100%
<b>Colour</b>	Black, Grey
<b>Application Temperature</b>	5°C to 40°C
<b>Service Temperature</b>	-40°C to 70°C
<b>Setting Time</b>	Tack free and able to accept traffic after 12 to 18 hours. Full cure and maximum hardness are attained in approximately 3 days at 25°C
<b>Hardness</b>	18 - 20 Shore A
<b>Movement Accommodation Factor</b>	50%
<b>Chemical Resistance To Occasional Spillage Of</b>	Diesel fuel Aviation fuels Petrol Mineral oils Hydraulic fluids Skydrol De-icing fluids White spirit Dilute acids Dilute alkalis Dilute alkaline

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

## SURFACE PREPARATION

The joint sealing slots should be accurately formed. The concrete must be sound, dry and oil and frost free. The sealing slot surfaces must be well prepared to remove dust and laitance by grit blasting, grinding, wire brushing or other means to expose a sound surface. The slot should be blown out with dry, oil free compressed air just prior to priming.

## LIMITATIONS

Not recommended for joints contaminated with oil, grease, wax, curing compounds, concrete sealers, form release agents etc.

## PRIMING

Priming is required please contact **Geocel® Technical Service** for specific advice.

## MIXING

Drain the contents of part B (liquid curing agent) into the part A (base compound) tin.

Mix thoroughly for 4 minutes using a slow speed drill (300rpm) fitted with a **Geocel® Paddle Mixer**.

## APPLICATION

**Geocel®200** should be applied into the joint using a **Geocel® Avon Gun**. Refer to application Code of Practice BS5212: 1990 part 2.

Care should be taken to ensure that the sealant is recessed in the joint such that at no time during the movement cycle will the sealant extrude above the level of the concrete pavement.

For advice on metermix dispense equipment consult **Geocel® Technical Service**.

## CLEANING

Clean equipment with **Geocel® Eco Cleanse** solvent free cleaner. Remove **Geocel®200** from hands using **Geocel® Universal Wipes**.

## PACKAGING

**Geocel®200** is supplied in 5 Litre tins with two 5 Litre tins per outer. Each pack comprises a part A base tin and a screw cap smaller part B curing agent tin.

For application by approved metermix dispense equipment 20 litre pails are available.

## ANCILLARY MATERIALS & EQUIPMENT

**Cox Powerflow COMBI**

**Geocel® Paddle Mixer**

**Geocel® Eco Cleanse**

## HEALTH AND SAFETY

Health and Safety data sheets available on request.

## TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

**IMPORTANT NOTE** The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Geocel specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability.

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# Geocel®

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