

Geocel 201 Polysulphide



Features and Benefits

- Excellent adhesion to both porous and non-porous surfaces
- Large colour range available
- Joint movement capability of $\pm 20\%$
- Easy to apply, one component sealant
- No maintenance required
- Unaffected by extremes in climatic conditions
- Non-slump
- Over paintable (see painting guide on reverse)

Application

- Geocel® 201 is a one part, ready to use, flexible sealant for expansion joints in building and construction
- It has excellent adhesive and weathering properties and cures to a tough, flexible sealant
- It is ideal for sealing against pre-cast facing and cladding panels, wall tiles, granite, metal or timber window frames, masonry and certain glazing systems

Back-up Material

- Closed cell polyethylene backer rod is recommended where a back-up material is required
- Low tack polyethylene tape should be used in joints too shallow to allow the use of backer rod. Backer rod is available from Geocel®

Cleaning

- Excess sealant may be cleaned off tools and non-porous surfaces, whilst in an uncured state
- Sealant adhering to porous surfaces should be left until cured and then carefully removed by abrasion or other mechanical means

Finishing

- The joint should be 'tooled' within five minutes of application to ensure good contacts between the sealant and the substrate
- Tooling of the sealant also gives a smooth, professional finish

Packaging

- 380ml cartridges packed in boxes of 20

Joint Design

When designing joints using Geocel® 201, the minimum joint width should be 6mm. For joints between 6mm-12mm wide, a seal depth of 6mm is required. For joints above 12mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended.

Painting

Geocel® 201 may be over painted with water based paints, however due to the large number of coatings available, it is advisable to carry out a compatibility test before application. For alkyl paints a suitable water based undercoat must be used. Over painting may limit the joint movement capability of Geocel 201 and cracking of the coating may occur in dynamic joints.

Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

Priming

Geocel 201 exhibits good primerless adhesion to most common construction substrates. However due to the natural variability of porous materials, such as concrete and natural stones, in order to confirm optimum adhesion, we recommend carrying out an adhesion test prior to commencement of any project.

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore tests are necessary. Our general conditions apply.

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Limitations

Geocel® 201 should not be applied to building materials that bleed oils, plasticisers or solvents. It is not recommended for use with certain plastics, generally of the flexible plasticised type. Geocel® 201 should not be used on substrates that undergo excessive thermal movement e.g. PVC-U. Geocel® Technical Service will be pleased to give further advice in specific situations.

Surface Preparation

Ensure that all surfaces are clean, dry, sound and grease free. Clean all joints of release agents, water repellents, laitance, dust, dirt, old sealants, and other contaminants, which could impair adhesion. Metal surfaces should be cleaned and degreased by wiping with a suitable solvent on an oil and lint free cloth.

Note: When using a solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Observe and follow all precautions listed on solvent container label. It is recommended that Geocel® 201 is not applied to surfaces that are below 5°C as it is impossible to guarantee a dry, frost free surface at this temperature.

Technical Data

Form	Smooth void free paste
Storage Life	9 months in original containers stored below 25°C
Solids Content	100%
Colour	Black, grey, white, buff and stone
Application Temperature	2mm/24h – 3mm/24h
Service Temperature	5°C to 40°C
Skin Time	-40°C to 150°C
Cure Time	30 to 45 minutes at 23°C and 50% relative humidity
Hardness	20 - 25 Shore A
Movement Accommodation Factor	50%

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.

Paint Type	Suitability
Water based emulsion paint	OK
Water based primer sealer	OK. If over coating with other paints check suitability
Water based undercoat	OK
Water based top coat	OK
Alkyd resin based paint	Use water based undercoat first
Traditional solvent based undercoat	Use water based undercoat first
Traditional oil based paint	Use water based undercoat first
Traditional exterior gloss paint	Use water based undercoat first
Cellulose based automotive paint	OK
Polyurethane based automotive paint	OK

Conforms to SNJF, ISO11600 F20HM

Manufactured under ISO 9001

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