

TECHNICAL DATA

Geocel® 201

One Part Polymer Sealant



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.

- 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)

TECHNICAL DATA

Storage Life	12 months from date of manufacture when stored in cool, dry conditions below 23°C. The expiry date is printed on the cartridge and should be noted
Colour	White, Grey, Teak, Black, Buff and Brick Red
Service Temperature	-40°C to +120°C
Application Temperature	+5°C to +40°C
Slump	Nil
Skin Time	30 - 45 minutes at 23°C and 50% relative humidity
Cure Time	3mm per 24hours at 23°C and 50% Relative humidity for an exposed bead
Specific Gravity	1.6
Movement Accommodation Factor	40%

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.

SPECIFICATIONS

Conforms to ISO 11600 F 20HM

Manufactured under ISO 9001

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.

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.

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.

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®**.

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.

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.

PAINTING

Geocel® 201 may be overpainted 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 alkyd paints a suitable water based undercoat must be used. Overpainting may limit the joint movement capability of Geocel 201 and cracking of the coating may occur in dynamic joints.

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.

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

PACKAGING

Geocel® 201 is supplied in 380ml cartridges packed in boxes of 12.

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.

Geocel's sole warranty is that the product will meet the Geocel sales specifications in effect at the time of shipment.

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.

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