

Geocel® Mirror Adhesive

TECHNICAL DATA SHEET

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Geocel® Mirror Adhesive is a one-part silicone adhesive for internal fixation of mirrors, coated glass or metal panels onto various substrates.

- Non-corrosive, odourless, ready to use gun grade sealant which reacts with air moisture
- Excellent unprimed adhesion on most glasses, metals and mirror coatings
- Outstanding resistance to heat and humidity
- Resistant to ozone, ultra-violet radiation and temperature extremes

SURFACE PREPARATION

Ensure that surfaces to be sealed are clean, dry, sound and free from grease, dust and other contaminants, which could impair adhesion. Surfaces can be cleaned and degreased by wiping with a suitable solvent on a clean oil and lint-free cloth before application of sealant. Note : When using any solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Use solvent resistant gloves. Observe and follow all precautions listed on solvent container label.

APPLICATION

The sealant is ready to use. Apply 10mm wide strips vertically on the back of the mirror in 100mm intervals. Then press the mirror onto the surface, preserving a constant bead thickness of 2mm for optimum cure and mechanical grab. Support the mirror for a minimum of 24 hours using adhesive tapes. This will ensure good contact and a minimum of displacement. Air should be allowed to circulate freely around the edges of the mirror thereby allowing the sealant to cure.

CLEANING

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using suitable solvent cleaner. If sealant is misapplied to porous substrates, it should be left until just cured, and then removed by peeling, cutting or other mechanical means. Care should be taken not to damage plastic or coated surfaces.

PACKAGING

Geocel® Mirror Adhesive is available in cartridges packed in boxes of 12.

STORAGE LIFE

12 Months from date of manufacture when stored in unopened original packaging at room temperature.



SPECIFICATIONS

ISO 9001

ISO 14001

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LIMITATIONS

Do not use **Geocel® Mirror Adhesive** on bituminous or substrates based on natural rubber, chloroprene or EPDM or on building materials, which might bleed oils, plasticisers or solvents. Do not use **Geocel® Mirror Adhesive** in a totally confined space because the sealant requires atmospheric moisture to cure.

Geocel® Mirror Adhesive is not recommended for use in submerged applications or in applications where physical abuse of abrasion is likely to occur.

When used with safety mirrors (single pane mirrors laminated with a plastic film at the back to prevent shattering of the glass when broken), first check adherence of **Geocel® Mirror Adhesive** on the plastic film. If used with a mirror including a safety backing film, first remove the film before the application of **Geocel® Mirror Adhesive**.

Geocel® Mirror Adhesive is not recommended for structural glazing or insulated glazing applications.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Check to ensure that the mirror is free from defects before applying the adhesive.

TECHNICAL DATA

Colours	White
Tack Free Time	20 minutes
Skin Time	10 Minutes
Cure Rate	2 mm after 24 hours
Application Temperature	5°C – 40°C
Service Temperature	-40°C – 100°C
Movement Accommodation Factor	50±
Shore A Hardness	38
Specific Gravity	1.53
Grab Strength	24 Hours - 648.36 N
Working Time	29 Minutes

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.

HEALTH AND SAFETY

Health and Safety data sheets available on request.

SHERWIN-WILLIAMS

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TECHNICAL SERVICE

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

Tel: 0114 240 9305

Email: technical@geocel.co.uk

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.

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

Geocel disclaims liability for any incidental or consequential damage.

Legal Note: Any reference to "Geocel" is to the brand Geocel which is owned and operated by Sherwin-Williams UK Limited

