

TECHNICAL DATA SHEET

Geocel Engineered Polymers
 53280 Marina Drive
 Elkhart IN 46514 USA
 (888) 268-4484 • Fax (800) 348-7009
 www.gepsolutions.com

Geocel 1500SL™ SELF-LEVELING SEALANT

Product Description 1500SL™ is a one-part, moisture curing, self-leveling sealant for floor joints. Its non-gassing property makes it ideal for high temperature and humid conditions.

- Applications**
- Movement joints in factory floors
 - Joints in warehouse floors
 - External joints in paved areas

- Benefits**
- One-part moisture curing sealant that turns into a flexible and resistant elastomeric seam and has very good adhesion to most construction and concrete materials
 - Maintains long-term elasticity, tear resistance, and good UV resistance
 - Specially formulated for industrial and heavy duty public premise floor joints

Packaging 1500SL™ is supplied 28 fl. oz. cartridges. Available in Gray. Packaged 12 cartridges per carton.

Technical Data

Form	Test Method	Results
Form		Fluid paste
Paint compatibility	Water based: compatible Solvent based: check compatibility	
Tack Free time (73°F/23°C, 50% RH)	ASTM C 679	<4 hours
Curing speed (73°F/23°C, 50% RH)		>3mm per 24 hours
Shore A hardness	ASTM D 2240	35
Elongation @ break	ASTM D 412	446%
Joint movement	ASTM C 719	± 25%
Substrate staining	ASTM C 510	None
Resistance to weathering	ASTM C 793	Excellent
Resistance to UV	ASTM C 793	Good
Application temperature	41°F to 95°F (5°C to 35°C)	
Temperature resistance	-22°F to 176°F (-30°C to 80°C)	
Shelf life		12 months

ARCHITECTURAL

Joint Design

The width of the joint should be a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width, but not less than 1/4". In joints wider than 1/2", the depth should be maintained at 5/8". Lap shear joints should have a width of at least twice the anticipated movement.

Joint Preparation

Joint surfaces must be dry, clean, and free of all contamination. Glass, metal, and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Precast panels using form-release agents other than polyethylene film must be sand blasted or mechanically abraded and blown or brushed dust free.

1500SL™ should be applied into the joint fitted with a backing rod. The substrates must be clean, dry, and free of dust and grease. Do not apply the sealant at temperatures <41°F (5°C.) Do not apply on wet substrates. If tooled, dry tooling is the preferred method. Sealant should not be applied with wet tooling techniques. The use of solvents, water or detergent solutions is not recommended. Store the packs at a minimum temperature of 50°F (10°C) if necessary to ensure a good flow rate.

Priming

1500SL™ exhibits good primerless adhesion to most common construction substrates. However, for joints where high movement is anticipated, the use of a primer is recommended. Please contact **Geocel's Technical Service Department** for specific advice.

Application

Where necessary, the joint edges can be masked with tape to prevent contamination of adjacent substrates and to ensure a neat sealant line. The tape should be carefully removed immediately after tooling.

Apply with conventional caulking equipment. Fill joints from the back to prevent voids and air pockets. If application temperature is below 40° F (5° C), precautions should be taken to ensure the substrates are completely dry and frost free. For optimal performance, dry tooling is the preferred method. Sealant should not be applied with wet tooling techniques. The use of solvents, water or detergent solutions is not recommended.

Limitations

Do not apply over damp or contaminated surfaces. Do not apply to absorptive surfaces such as marble, limestone or granite without prior testing for discoloration or staining.

Cleaning

Remove **1500SL™** from gun and tools before it cures. This may be done by scraping and the use of solvents such as Xylol. Cured materials may be removed by cutting with sharp tools or sandpapering.

Health & Safety

1500SL™ has been proven to be a safe material to handle when used with reasonable care. However, as with all chemical products, the following precautions should be taken:

- Keep out of reach of children
- Wear gloves and eye protection
- Avoid ingestion or inhalation of vapors. Use only in well ventilated areas.
- Wash hands prior to eating or smoking
- If accidental contact with skin occurs, skin should be cleaned immediately with soap and water
- Any eye contact should be treated by rinsing with copious amounts of clean water and medical advice should be sought

Technical Service

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

IMPORTANT NOTE While all reasonable care is taken in compiling technical data on the company's products, all recommendations regarding the use of such products are made without guarantee since the conditions of use are beyond the company's control. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it.

