

Technical Data Sheet

GENERAL DESCRIPTION

Oil Resistant Polyurethane Adhesive or Sealant

GSP 1650 is a two-component black polyurethane adhesive or sealant system. When applied, it is lightly thixotropic, but builds thixotropy within 30 seconds. The elastomeric material bonds very well to many substrates, especially when the substrate is prepared by blasting or when used with GSP Primer 268. **GSP 1650** has excellent chemical resistance in oil or hydrocarbon environments. Supplied in tubes, **GSP 1650** works especially well as a crack filler/sealant. It is not recommended for water or high humidity environments.

Features are:

- Convenient mix ratio
- Contains no solvents. 100% reactive
- 8-10 minute cure time
- Excellent chemical resistance in oil environments

COMPONENT PROPERTIES

Property	GSP 1650 Part A	GSP 1650 Part B
Shelf Life	6 months	6 months
Density (lb/gal)	9.94	9.85
Viscosity (cps)	15,000	114,000
Color	Amber	Black

HANDLING PROPERTIES

Property	GSP 1650
Mix Ratio by Weight	25 A : 100 B
Mix Ratio by Volume	1 A : 4 B
Viscosity, Mixed (cps) RV 7, 20 rpm	88,000
Pot Life	5 min
Gel Time	15 min
Cure Time	1 hour at room temp

PHYSICAL PROPERTIES

Property	GSP 1650
Hardness	60 Shore A
Color	Black

INSTRUCTIONS FOR USE

The recommended method of application for this product is with prepackaged, side-by-side ratio tubes using a dispenser and a static mix nozzle. To ensure an accurate mix ratio when dispensing material through a static mixer, discard the first material extruded from the mixer. Product can now be applied directly to the bonding surface. Static mixers and dispensers are available from GS Polymers. Contact the sales department for further information.

TO MIX BY HAND: Proportion out components according to parts by weight or volume ratio into a non-reactive container (polyethylene, polypropylene, or metal de-rimmed can). Container should be about five times larger than the volume of the mixed material. Mix components very thoroughly, preferably with a metal spatula, scraping the sides and bottom of container to incorporate all material.

If working time allows, transfer material to a clean container without scraping sides or bottom before applying. Material should be used immediately.

Note: Since this material gels in about 15 minutes, mix time and de-airing should be done within 5 minutes maximum.

Note: During application, do not scrape sides or bottom of the container used for mixing. Residual amounts of poorly mixed material may be incorporated. Such material may fail to cure completely, and may not achieve full physical properties.

CURING INSTRUCTIONS

Mix Ratio by Volume: 1 part by volume **GSP 1650 Part A** to 4 parts by volume **GSP 1650 Part B**.

Pot Life: Do not mix more than can be applied in 5 minutes. Gel time is about 15 minutes but will vary depending on the mass mixed and the ambient temperature.

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET (MSDS) PRIOR TO USING THIS PRODUCT.

Notice to User:

The following is made in lieu of all warranties, expressed or implied. Seller's and manufacturer's only obligation shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered except by an agreement signed by officers/owners of G.S. Polymers, Inc.

Prepared: 2/16/06 r1

Revised: 3/2/06 CES r2