



4920 Polyurea Joint Filler Technical Data Sheet

PRODUCT DESCRIPTION

4920 is a 100% solids Polyurea formulated for use as a semi-rigid joint filler. 4920 is made with a flexible polymer backbone, not a plasticizer, ensuring durable performance.

COMPOSITION

Special proprietary blend of 100% solids polyurethane, wetting agents, adhesion promoters and additives.

USES

4920 is primarily used as a concrete joint filler to prevent spalling of concrete joints while allowing load transfer through the semi-rigid polymer backbone.

ADVANTAGES

- 100% Solids, Zero VOC
- Low odor
- Fast cure
- Good resistance to most chemicals

AVAILABILITY AND COST

VBP Products are supplied direct and all prices, install guides, etc. are viewable online at www.versatile.net.

INSTALLATION

Refer to manufacturers detailed System Installation Guide.

TECHNICAL PROPERTIES

Volumetric Mix Ratio (A:B)	1:1
Color	Clear
% Solids	100 %
VOC	0 g/L
Pot Life (75°F, 1gal mass)	5 mins
Gel Time	1.5 hours
Cure Time	
Dry to Touch	0.5 hours
Through Cure	1-2 hours
Full Cure	5-7 days
Shore D Hardness (ASTM D2240)	58
Tensile Strength (ASTM D638)	2,200 p.s.i
Elongation (ASTM D638)	5.4%

Adhesion (ACI 503R)	350 p.s.i. (100% concrete failure)
Abrasion (ASTM D4060)	41.2 mg lost
Flammability	Self-extinguishing Over concrete

TEMPERATURE

Product was tested at ambient temperature (75°F -77°F). Results WILL vary when product is used at temperatures different from testing temperature. The pot life, gel time, and cure time is generally longer for colder temperature applications, and shorter for higher temperature applications. Physical properties are also impacted and dependent upon temperature.

DISCLAIMER

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

TECHNICAL SERVICES

Technical services can be obtained by contacting VBP direct at 714-829-2600.

WARRANTY

Versatile Building Products Inc guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Versatile Building Products Inc (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Seller's obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.