

# BETAFILL™ 218

## Adhesive and Seam Sealant

BETAFILL™ 218 is an one-component moisture curing polyurethane seam sealer with permanent elasticity and good adhesion to different substrates.

BETAFILL™ 218 is an excellent seam sealers for body repair, sealing, filling and finishing. The cured product can be abraded and are over-paintable with most of the paint systems.

All DuPont products are primarily developed in co-operation with the automobile manufacturers, according to their needs and their specifications, they are approved for the specific applications as defined by the customer. The use of the product other than approved application must be released in written form by the Technical Service of DuPont.

Unless specified otherwise test are conducted at 23°C/50% relative humidity.

### Product information

Colour	Gray	
Basis	Polyurethane - prepolymers	
Density	1.31 - 1.41 g/cm <sup>3</sup>	ISO 845

### Uncured properties

Skinning time	38 - 52 min
Cure rate, after 24h	≥3 mm

### Rheological properties

Extrusion Viscosity	80 - 250 <sup>[1]</sup> g/min
[1]: at 23°C / 6mm nozzle / 2bar	

### Application technique

Open time	≥0.5 <sup>[2]</sup> h
Processing temperature	5 - 35 °C
[2]: maximum 30 minutes	

### Cured properties

Temperature stability	-40 - 80 <sup>[3]</sup> °C
[3]: Short term up to +120°C in cured condition.	

### Typical mechanical properties

Stress at break	2.6 <sup>[4]</sup> MPa	ISO 1798
Strain at break	700 %	ISO 1798
Lap shear strength, 3 days	≥1.8 <sup>[4]</sup> MPa	DIN EN 1465
Shore hardness A	40 - 50 -	DIN 53505
[4]: +/- 0.3 MPa		



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### Storage and stability

Shelf life

9<sup>[5]</sup> months

[5]: 9 months Cartridges / Sausages and 6 months Pails / Drums. Storage conditions: +5°C to +25°C in unopened containers.

### Additional Information

Adhesives

#### Bonding surface preparation

All bonding surfaces must be free of dirt, dust, water, oil and grease. In general adhesion promoters must be applied to the surfaces. Verify compatibility or consult our technical service department.

#### Range of Adhesion

Suitable for use on coated sheet metal, aluminum, stainless steel, GRP, PUR-RIM, Polycarbonate, PUR-plasticized PUR-hard, PVC, wood and glass.

Not suitable on Polyethylene, polypropylene, silicone, fluorinated plastics and some plasticized plastics.

Attention: Not to be used as windows adhesive!

#### Application Equipment

Cartridges/ Sausages: Application with a standard 1-component hand-operated, pneumatic or electrical gun with piston bar (no direct air guns!).

Pails / Drums: Robotic pumping system possible.

Upon request our application specialists can give support to select the right application system for your application.

#### Cleaning

Uncured material can be removed with BETACLEAN™ 3500. Hardened adhesive residues can only be removed mechanically. Immerse equipment in BETACLEAN™ 3000.