Technical Data Sheet

TECHNOMELT® PUR H GRAY GLAZE

January 2024

Product description

TECHNOMELT® PUR H GRAY GLAZE provides the following product characteristics:

Technology	Polyurethane
Product type	Hotmelt
Application	Window glazing
Appearance	Gray

Application areas

TECHNOMELT® PUR H GRAY GLAZE is a one-part polyurethane reactive hot melt. The high green strength provided by TECHNOMELT® PUR H GRAY GLAZE sealants enables immediate handling of windows or doors after glass is bedded. This includes vertical stacking, wrapping, and in-line shipping. TECHNOMELT® PUR H GRAY GLAZE generates little or no squeeze out leading to a cleaner product. Constructions back bedded with TECHNOMELT® PUR H GRAY GLAZE have passed hurricane impact and wind cycling testing due to the material's combination of excellent adhesion, flexibility and internal strength.

Product properties

- Clear one-part polyurethane reactive hot melt
- AAMA verified
- Applied at 180 - 250°F
- Accelerated Technology TM ensures a fast cure
- Excellent adhesion to glass, vinyl, wood, aluminum, fiberglass
- Undergone extensive weather resistance and durability testing
- Supplied in drums and pails

Technical data

TECHNOMELT® PUR H GRAY GLAZE:

Solids content, %	100
Specific gravity	
ASTM D 792	1.07
Viscosity, 250 °F, mPa.s (cP)	
CML-605	10000
Slump, inches	
ASTM D 2202	< 0.1
Tack Free time, minutes	
ASTM D 679	45
Durometer after cure	
ASTM C 611	Shore A of 50
The standard mix ratio of TECHNOMELT® PUR H GRAY GLAZE is psi parts A to ASTM D 412 parts B by volume. By decreasing the amount of hardener to 300 parts Part B by volume, maximum rigidity and hardness will be obtained. By increasing the amount of hardener to psi parts Part B by volume, flexibility will be increased. Other property variations may also be observed. No mix ratio beyond these two extremes should be used.	
ASTM D 412	400
100 Percent modulus, ASTM D 412	
350	psi
Elongation, %	
at 25%, ASTM C 1135	45
Stress-strain, at 50%, ASTM C 1135	
75	ASTM C 734
No cracking or loss of seal	5,000 hours QUV
Low temperature flexibility	
No breakdown or loss of seal	
UB Stability	

Directions for use

Preliminary statement

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application
TECHNOMELT® PUR H GRAY GLAZE is applied using a heated pump, hose, and nozzle.

Compatibility
TECHNOMELT® PUR H GRAY GLAZE has been successfully tested with a number of insulated glass and back bedding sealants. It is recommended that customers test the materials that may come in contact with TECHNOMELT® PUR H GRAY GLAZE in their specific situation before using our products.

Surface preparation
TECHNOMELT® PUR H GRAY GLAZE testing results hereto are based on bonding to clean surfaces. Surface impurities such as loose dirt, dust, residues of glass coatings, other sealants and other contaminants can form adhesion barriers that will prevent the formation of a satisfactory bond. It is recommended that customers test their substrates under in-plant manufacturing conditions in order to accurately evaluate performance in their specific situation. Removing adhesion barriers by using cleaning or priming techniques should be considered, where necessary.

Cleaning
Due to the hot-melt nature of the product when applied as a bead, “squeeze out” is reduced significantly or even eliminated when compared to traditional sealants. TECHNOMELT® PUR H GRAY GLAZE can be easily cleaned off of wood styles/rails and glass during production with isopropyl alcohol. The application system can be flushed by running non-reactive hot melt such as TECHNOMELT® PUR CLEANER through equipment.

Precautions
TECHNOMELT® PUR H GRAY GLAZE is a product which contains minor amounts of organic isocyanates and is sensitive to moisture contamination. Health hazards have not been fully evaluated. Therefore the following recommendations are made for the safe use of TECHNOMELT® PUR H GRAY GLAZE. All users of RHM products should maintain an ongoing industrial hygiene program. This program should include contingency provisions in the event of ventilation failure as well as MDI monitoring. Use only in equipment intended for reactive hot melts. Do not use in conventional hot melt equipment. Do not use in con-ventional hot melt equipment. Forced ventilation must be provided over applicator and melting equipment to remove any small amount of isocyanate vapors to the outside.

Storage
Rotate stock and use oldest material first. Do not expose to the atmosphere or otherwise contaminate with moisture. Moisture contamination will cause a sharp melt viscosity increase and a cured skin on top of the container. Containers must be used completely after opening. Do not attempt to reseal. Do not heat to melting without proper forced ventilation. Vapor is harmful if product is overheated. Prevent breathing of vapor. Prevent contact with skin. Appropriate clothing and eye protection should be used to prevent severe burns. Do not take internally. Do not mix with other sealants except to flush system as noted above.

Shelf life

Shelf-life (in unopened original packaging), months (at 77°F)	6

Classification
Please refer to the corresponding **Safety Data Sheet** for details on:
Hazardous Information
Transport Regulations
Safety Regulations

Additional information

Disclaimer
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