

# Hard Fix Glue

## Ready-to-use Elastic Adhesive Sealant

NUDO is pleased to announce that we have partnered with PolySto to provide Hard Fix Glue, a one component, neutral vulcanising, ready-to-use elastic adhesive sealant, based on Hybrid polymer. PolySto Hard Fix Glue vulcanises by reaction to humidity in the atmosphere. It has a high resistance to aging, weathering, high and low temperatures (- 40°C to +90°C) and is mold resistant.

PolySto Hard Fix Glue is paintable and can be used as an elastic sealant adhesive on a number of surfaces, including natural stone. The product is flexible and has an exceptional initial adhesion and a strength of bond for heavy components higher than the PU40.



### CHARACTERISTICS

- Universal Hybrid MS polymer based adhesive sealant
- Joint adhesive
- Jointing and gluing
- Solvent, isocyanate, and phthalate free
- Extremely strong and permanently elastic
- Excellent UV, weather, and aging resistance
- Very good moisture resistance and not sensitive to frost
- Anti-fungal
- Bonds with slightly moist supports
- Suitable for use with natural stone, metal, wood and brick work, and ceramics
- Does not cause any corrosion in metal joints
- Paintable with most water and solvent based paints
- Skin formation time (23°C at 50% RH) 40 min
- Temperature resistance -40°C - +90°C
- Standard available in white. Other colors available with a minimum order.

**NUDO**<sup>®</sup>  
A VERZATEC COMPANY

## APPLICATIONS

- Gluing and sealing of skirting boards, steps, doorsteps, protective profiles, covers, prefab elements, and kitchen worktops
- For interior and exterior use
- All jointing where flexibility is important:
  - Sealing of horizontal and vertical expansion and connecting joints (max. width 50mm)
  - Sealing of joints and cracks in car, caravan, train, and bus construction, in containers, and in air-conditioning installations
  - Sealing between frame and wall, connecting joints of window and door frames, in facades, and shop fronts
- Sealing and gluing work in verandas, bathrooms, kitchens, etc.
- Sound proofing between concrete and drain pipes
- Bonds without primer on almost all materials used in the construction industry, such as aluminum, galvanized and stainless steel, zinc, copper, natural stone, HPL panels, treated wood, gypsum, various synthetic materials, glass (not for glazing joints), etc.
- Can be used on absorbent surfaces, such as concrete and brick. A primer is recommended for optimal adhesion.
- Meets the requirements of FDA code 21 §177.2600 (e) for food contact.

## TECHNICAL CHARACTERISTICS

Basic Ingredient	MS Hybrid Polymer
Curing system	by means of humidity
Number of components	1
Skin formation time (23°C and 50% RV)	40 min.
Vulcanisation rate (23°C and 50% RV)	2.5 - 3mm/24h
Density: ISO 1183	1.48 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in original packaging in dry conditions between +5°C - +25°C	12 months
Shore A hardness: ISO 868	40
Joint movement capacity: ISO 11600	25%
Modulus at 100% elongation: ISO 8339	0.8 N/mm <sup>2</sup>
Elongation at break: ISO 8339	230%
Modulus at break: ISO 8339	1.10 N/mm <sup>2</sup>
Water vapor permeability: ISO 15106	$\mu = 6946$ ; $sd = 4.9m$
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C - +90°C
Very good moisture resistance and not sensitive to frost	



Scan to visit our website:



**NUDO**<sup>®</sup>  
A VERZATEC COMPANY

1500 Taylor Avenue  
Springfield, IL 62703  
www.Nudo.com

Ph: 800.826.4132  
Fax: 217.528.8722