



UNI EN ISO 9001:2008
Quality System Certified Company



TECHNICAL DATA SHEET PRODUCT

POLYGREY

**SEALANT/ADHESIVE, MONOCOMPONENT
of HIGH PERFORMANCE (for assembly)
in cartridge**

DESCRIPTION

Monocomponent quick sealant adhesive, based on MS Polymer™, hardening by atmospheric humidity, of high initial strength and excellent adhesion. **POLYGREY** is able to realize joints and elastic sealing between a wide variety of materials, ensuring the following characteristics:

- *Not runny, it can be applied on vertical surfaces,*
- *Practically without shrinkage*
- *Adheres to a wide range of substrates*
- *Free from solvents and isocyanates*
- *Resistant to aging, UV radiation and atmospheric agents*
- *Suitable for booth indoor and outdoor*
- *Flexible to low (-40°C/-40°F) and high (+100°C/100°F) temperatures*
- *Neutral reaction, low odor, non-corrosive*
- *Compatible with many coating systems (it is anyway needed need a test)*

FIELDS OF USE

- Installation and sealing of insulating panels, frames, partitions;
- Bonding and sealing of panels and wooden profiles (even painted), plaster board, plastic laminate, rigid PVC, brickwork, frames and metal structures;
- Bonding of the overlaps between sheets or between metallic elements and other areas over which it is not possible to perform welding or other mechanical fasteners in construction, transportation, metallic carpentry;
- Bonding of metal profiles (U) to crystals, sheets of plastic and sheet of metal panels in the industry of the cold materials, refrigerated cabinets, furniture, means of transport;
- Bonding and sealing in the installations of air conditioning and ventilation;
- Mounting of mirrors;
- Bonding of reinforcement ribs on panels of metal sheets or fibreglass and in general of structures subject to continuous vibrations or between materials with different thermal expansions;
- Insulation or covering of container or covered vans;
- Bonding wood-metal in windows and doors;

CHARACTERISTICS

Base material	: MS Polymer™
Consistency	: pasty
Color	: grey
Packaging	: plastic cartridge of 290 ml.

TECHNICAL DATA

Specific gravity	: 1,55 kg/dm ³
Hardness Shore A	: 55
Modulus at 100% (DIN 53504)	: 1,5 MPa
Breaking load (DIN 53504)	: 500%
Shear strength (ASTM D 624-73)	: 20 kN/mm
Time formation of skin	: 10 min. abt. (at 20°C/68°F - 50% R.H)
Hardening speed	: 3-4 mm / 24h (at 20°C/68°F - 50% R.H)

The values shown in the table should be considered as average value and not as specific



APPLICATION

Adhesion and Preparation of the surface

POLYGREY has excellent adhesion without the use of primers on steel degreased surfaces, galvanized steel, anodized aluminium, aluminium, painted surfaces, on cement, wood, glass and glazed surfaces, ceramics, natural stone, polyester, UPVC.

For special operating conditions, such as the presence of moisture or on porous surfaces, you can improve the adhesion with the application of appropriate primers.

Preparation of the surface

Surfaces must be clean, free from greasy substances, dust and any loose particles / friable parts.

Application

POLYGREY is applied with the proper caulking-gun

STORAGE STABILITY

Stored in a dry place at temperatures between +5°C/41°F and +25°C/77°F, in the original packaging (290 ml cartridge.), the product will remain stable for 12 months.

Protect from frost

LIMITATION OF LIABILITY The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Liability for defective products, when verified, is limited to the refund of the purchase price since the application of the product is beyond the control of the manufacturer or supplier.

A PRELIMINARY TEST IS RECOMMENDED BEFORE THE FINAL APPLICATION