

NAH-1100 Assembly Hybrid Polymer

HYBRID MS POLYMER ADHESIVE AND SEALANT

- ✓ One component
- ✓ Low stress bonding and sealing
- ✓ Room temperature cure
- ✓ High strength
- ✓ Safe in use

Technical Info

- Composition: moisture-curing hybrid polymer.
- Appearance (WL-M020): white paste.
- Viscosity (WL-M002 - 23°C, 10s-1): 136 Pa.s .
- Hardness (WL-M001): 45 shore A.
- Tensile strength (WL-M009): 3.9 MPa.
- Elongation at break (WL-M009): 312%.
- Shear strength (WL-M013 Steel): 39 kg/cm².
- Shear strength (WL-M013 PA6.6): 30 kg/cm².
- Operating temperature (WL-M013): -50°C to 90°C.
- Curing time (depending on the materials bonded) and shear strength on steel:
 - After 24 hours: 17 kg/cm².
 - After 7 days: 39 kg/cm².
- Shelf life: 12 months in original package between +5°C and +25°C and not exposed to moisture and sunlight.
- Consult the safety data sheet before use.

The technical information in this document is consistent with the typical properties of the material. This information cannot be used or considered as a final specification. For assistance in preparing a final specification please contact our technical department.

Packing

Product [NAH-1100]

Characteristics

NAH-1100 is a one component hybrid MS polymer adhesive and sealant for applications where high bond strength is required. The material combines high bond strength with very high flexibility and stress absorption.

NAH-1100 allows bonding and sealing of different materials such as metals, engineering plastics and glass. The flexibility of NAH-1100 enables low stress bonding of dissimilar materials.

NAH-1100 is safe in use and silicone free.

Applications

Industrial and structural assembly where high strength and low stress bonding & sealing are key requirements. NAH-1100 will develop strong and reliable bonding between a variety of materials. In combination with Seal & Bond Special Primer bonding to polyethylene (PE/HDPE) and polypropylene (PP) becomes possible.

NAH-1100 Assembly Hybrid Polymer white - cartridge 310ml	532001000
NAH-1100 Assembly Hybrid Polymer grey - cartridge 310ml	532002000

Use

- Ensure that the components to assemble are clean before use. If necessary use Safety Clean (chemical pollution) or Multif foam (natural contamination) to clean the materials.
- Difficult to bond materials can benefit from Seal & Bond Special Primer to improve the bond strength. Spray Seal & Bond Special Primer on both substrates and allow to dry for 5 minutes before applying NAH-1100.
- Maintain a minimum bondline of 0.5mm and a maximum bondline of 3mm. A thinner joint will result in faster strength build-up.
- After bonding the parts together ensure that the assembly stays in place for a least 6 hours.
- Maximum strength will be achieved after 7 days.