

KEMTEX KEMFIX 1K-MS WINDSCREEN ADHESIVE

DESCRIPTION

Permanent flexible, moisture cured 1-component Sealant & Adhesive for constructive bonding with a high degree of strength. The new MS-Polymer Technology (modified Silane Polymers) combining the properties of conventional bonding systems like polyurethanes, silicones and acrylates, without the necessity of keeping their weak points. Without silicones, halogens. environmentally friendly, not containing isocyanates or solvents. The 1K-MS-Windscreen does not need Hazchem marking and qualifies for even the strictest Health & Safety rules as well as laws and EU-guidelines for the environment.

ADVANTAGES

- Outstanding adhesive performance
- Primerless on metal, glass, plastics, coatings, primers, wood and mineral surfaces
- Overpaintability (wet-on-wet)
- No pinholing
- No Hazchem declaration
- no solvents, no isocyanates, no silicones
- no volatile organic compounds (VOC)
- PIF-free (Paint Irritation Free)
- High chemical resistance
- UV- stable & weathering resistant & non ageing
- Odour neutral



APPLICATIONS

- Bonding of car front windscreens
- Bonding and sealing of sunroof systems
- Constructive bonding in coach-building, container, rail carriage and truck & transport building
- Sealing of weld seams, floor and bonding joints if necessary also on wet surfaces
- Bonding of von edge-profiles (windows & doors) and floor construction elements
- Aircon and cooling, machine building, plastics technology
- Structural & civil engineering

TECHNICAL PROPERTIES

- Chemical Base: 1-K Modified Silane Polymers (MS Polymer)
- Colour: Black
- Packaging Sizes: 290ml
- Consistency: Pasteus, very good steadfastness
- Shore Hardness (A) – DIN 53505 (@ +23°C / 50% rH): ~ Shore A57 (Thickness 6mm after 4 weeks)
- Working temperature: from +5°C to +35°C
- Temperature resistance: from -40°C to +90°C
- Pot life (@ +23°C / 50% rH): < 15 Min.
- Tack free time (@ +23°C / 50% rH): ~ 15 Min.
- Full through cure – DIN 50014 (@ +23°C / 50% rH): ~ 3mm/24 hrs.
- „Drive Away Time“: 2 hrs.
- Change of weight – DIN 50014: 1% 14 days
- Green strength: ~ 600 Pa, electrical current measure MC100
- Brake elongation – DIN 53504: ~ 2,7 MPa
- Pull strength – DIN 53504: ~ 1,7 MPa
- Lap shear strength – DIN 53283: ~ 2,5 MPa
- Tear propagation strength– DIN 53515: ~ 16 N/mm²
- Torsion stiffness: ~ 1,92 MPa (using a Poission ratio of 0,43)
- Elongation DIN 53283: ~ 180%
- Module at 100% Elongation – DIN 53504 S2 (@ 7 days / +23°C / 50% rH): ~ 2,3 MPa
- Electrical volume resistivity: > 1011 Ohm·cm