Sikaflex®-545
HIGH GRAB, LOW EMISSION ADHESIVE FOR FAST HANDLING
PRODUC T DESCRIPTION
Sikaflex®-545 is a one-component elastic assembly adhesive based on Sika Silane Terminated Polymer (STP) technology. It is a high initial grab adhesive and meets most severe EHS standards with very low emissions as it is free of isocyanate, solvent, PVC and phthalate. It can be applied easily by a manual dispenser. Nevertheless the high green strength of Sikaflex®-545 allows a powerful initial load capacity directly after application, outperforming most available silane modified products.
Sikaflex®-545 adheres well to a wide variety of substrates without the need for special pre-treatments. It can be used on substrates such as timber, glass, metals, metal primers and paint coatings (2-part systems), ceramic materials and plastics.

TYPICAL APPLICATION AREAS
- General machinery manufacturing
- Body and frame assembly applications
- Elevator and home appliances industries
- Fixation of mirrors
- Everywhere where fast handling and an elastic joint is required

KEY PRODUCT FEATURES
- Exceptional powerful initial grab
- Very good workability, easy to extrude with manual dispensers
- Meets highest EHS standards
- Wide adhesion range, bonds well without the need for special pre-treatments

TECHNICAL DATA
- Chemical base: 1-Component STP
- Colour: White
- Cure mechanism: Moisture curing
- Non-sag properties: Excellent
- Application temperature: 5°C – 40°C
- Skin time: 15 minutes
- Shore A-hardness: 45
- Tensile strength: 2.5 N/mm²
- Tear propagation resistance: 7 N/mm²
- Elongation at break: 400%
- Service Temperature: -50°C to +80°C

A reliable bonding joint of metal stiffener and frames in metal bodies can be achieved with Sikaflex®-545 with fast and easy handling process.

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