



**Sikaflex<sup>®</sup>-545**  
**HIGH GRAB, LOW EMISSION**  
**ADHESIVE FOR FAST**  
**HANDLING**

## PRODUCT 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

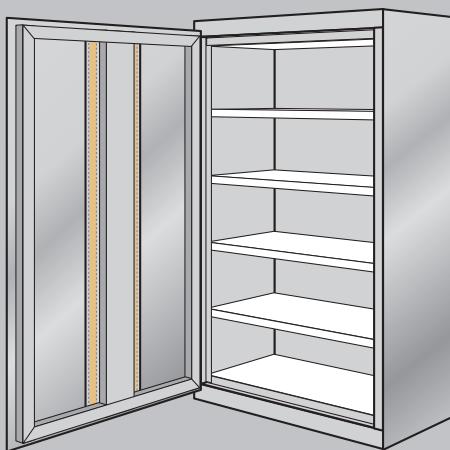


- Wide adhesion range, bonds well without the need for special pre-treatments

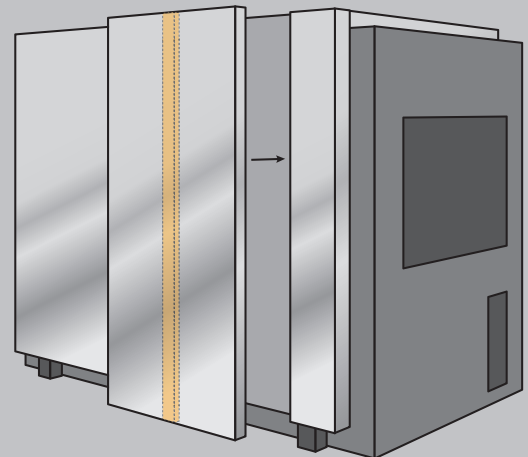


## TECHNICAL DATA

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/mm <sup>2</sup>
Tensile lap-shear strength	7 N/mm <sup>2</sup>
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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