



Sikaflex[®]-551

HIGH PERFORMANCE, LOW EMISSION ADHESIVE FOR GENERAL ASSEMBLY

BUILDING TRUST



PRODUCT DESCRIPTION

Sikaflex®-551 is a multifunctional, high strength and very low emission one-component elastic assembly adhesive based on the Sika Silane Terminated Polymer (STP) technology.






The Sikaflex®-551 formulation is isocyanate, solvent, phthalate and tin free and therefore surpasses the most demanding EHS requirements and sets a new benchmark in this regard. The advanced weathering, ageing and mold-resistance make Sikaflex®-551 a highly durable solution even under warm and humid conditions. It bonds well without the need for special pre-treatment to a wide variety of substrates such as timber, glass, metals, metal primers and paint coatings (2-part systems), ceramic materials and plastics. It is suitable for elastic, vibration-resistant joints and for a wide variety of interior and exterior elastic bonding applications. Meets VDI 6022 for HVAC applications and is qualified for incidental food contact.

TYPICAL APPLICATION AREAS

- General machinery, body and frame assembly
- Hygiene, ventilation and air conditioning systems
- Outdoor and indoor lighting industry
- Food processing and packaging machinery
- Food and beverage cooling devices

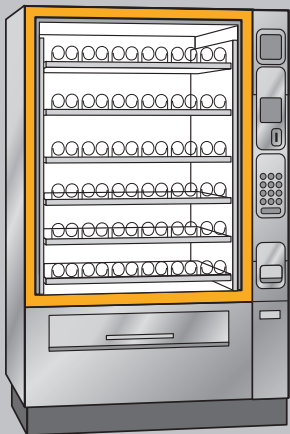


KEY PRODUCT FEATURES

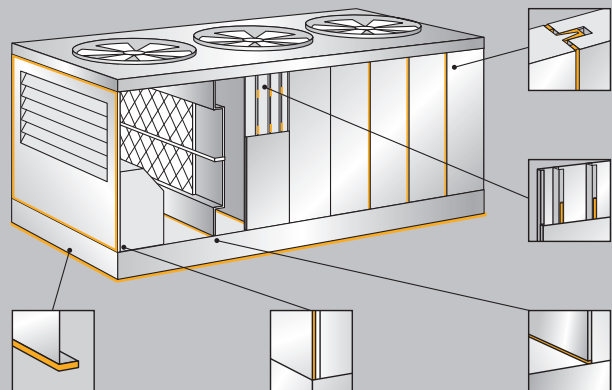
- Equipped with fungicidal for ultimate mold and fungus resistance 
- Excellent ageing and weathering resistance, high color stability 
- Outperforms highest EHS standards as it is free of isocyanate, solvents, PVC, tin and phthalates 
- Wide adhesion range, bonds well without the need for special pre-treatments 
- Overall excellent mechanical performance 

TECHNICAL DATA

Chemical base	1-Component STP
Colour	White
Non-sag properties	Good
Application temperature	5°C – 40°C
Skin time	35 minutes
Shore A-hardness	45
Tensile strength	2.2 N/mm ²
Tear propagation resistance	14 N/mm ²
Elongation at break	500%
Service Temperature	-50°C to +90°C



In construction of diverse automats, food and beverage cooling devices, many elastic bonding and sealing joints are required. Sikaflex®-551 serves as a valuable and durable solution.



Elastic structural bonding and sealing of metal frame and body in heating, ventilation and air conditioning systems can be achieved with Sikaflex®-551 with ultimate mold and fungus resistance.

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