



WEATHER ANY STORM
SIKA SEALANTS – BUILT TO SHIELD.
ENGINEERED TO LAST.

High-Performance Hurricane-Grade Window & Door Systems

BUILDING TRUST



SIKAFLEX® & SIKASIL®

HIGH-PERFORMANCE SEALANTS FOR EXTREME WEATHER DEFENSE ENGINEERED TO STAND STRONG AGAINST STORM AND IMPACT

Sika's high-performance sealants are an optimal solution for demanding window applications, including structural glass bonding and waterproofing in impact-resistant window and door assemblies. These products are engineered to create robust and durable transparent wall units that maintain outdoor visibility and daylight access while ensuring safety and property protection. The resilient elastic bond lines are designed to prevent forced air and moisture infiltration, enabling the window to accommodate natural movement without compromising the integrity of the seal, even upon impact.

Premium hurricane impact windows and doors require the use of high-performance back-bedding compounds. Sikaflex® and Sikasil® offer appropriate solutions tailored to a variety of project and system requirements.

SIKAFLEX®-552

Sikaflex®-552 is a high-strength, moisture-curing STP-sealant that combines the wet grab and cured performance of an elastic polyurethane adhesive with the adhesion and weathering properties typically found in silicone sealants. It is designed for elastic bonding joints exposed to dynamic stresses and does not contain isocyanate or solvent. Sikaflex®-552 is verified according to FGIA/AAMA 805.2-16, Group A & C.

SIKASIL® SG-10

Sikasil® SG-10 is a medium modulus, neutral-curing silicone sealant used for industrial window assembly. It offers primerless adhesion to various window substrates and has a fast skin-over time that can support quick processing. Sikasil® SG-10's balanced properties are suitable for ductile and bonding back-bedding applications, as verified in accordance with FGIA/AAMA 802.3-16, Type I & II and FGIA/AAMA 805.2-16, Group A & C.

SIKASIL® SG-20

Sikasil® SG-20 is a high-strength, neutral-curing silicone sealant designed for durable and high-performance elastic bonding connections between glass units and window frames. It offers excellent adhesion to a wide range of substrates and reliably accommodates movement between different materials. Sikasil® SG-20 has been tested in accordance with ASTM C1184.

TYPICAL PRODUCT DATA

	SIKAFLEX®-552	SIKASIL® SG-10	SIKASIL® SG-20
Technology	Moisture-curing STP Sealant	Moisture-curing Silicone Sealant	Moisture-curing Silicone Sealant
Color	Black & White	Black & White	White
Sagging	non-sag	non-sag	non-sag
Skin over time ¹	approx. 40 min	approx. 6 min	approx. 25 min
Shore A Hardness	approx. 50	approx. 35	approx. 40
Tensile Strength	approx. 430 psi	approx. 300 psi	approx. 320 psi
Tensile lap-shear strength	approx. 300 psi	approx. 200 psi	approx. 250 psi
Elongation at break	300%	400%	450%
Packaging	Drum, sausage, cartridge	Drum, cartridge	Drum, cartridge

¹) 77°F (25°C)



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