Rapidstick™ RS-60 All-In-One Silicone Sealant

PART NUMBER	COLOUR	AVAILABLE SIZE*
8-RS60BK-300	Black	300ml Cartridge
8-RS60GY-300	Grey	300ml Cartridge
8-RS60WT-300	White	300ml Cartridge
8-RS60CL-300	Clear	300ml Cartridge
8-RS60SV-300	Silver	300ml Cartridge

**Available colours and/or sizes may change without notice.*

DESCRIPTION

Rapidstick™ RS-60 All-In-One Silicone Sealant is a durable, non-tacky, highly adhesive waterproof sealant with permanent elasticity, specially formulated for expansion joints – particularly those exposed to the outside elements. It has low shrinkage and is resistant to UV damage, fading, abrasion, and cracking, and is suitable for use in harsh environments or under extreme temperature conditions.

RS-60 can be applied to un-primed or painted surfaces without a reduction in performance, adhering incredibly well to most commercial paints, coatings, and glazes for a lifetime, no replacement bond. Its no-slump single component neutral cure formula slowly absorbs atmospheric moisture to form a permanent elastomeric seal. Once thoroughly cured, RS-60 is unbeatably tough, and will not degrade or lose flexibility with time.

FEATURES & BENEFITS

☑ Low odour
☑ Single component, no mix formulation
☑ Resistant to mould and mildew
☑ Non-corrosive
☑ Maximum flexibility
☑ Will not crack, fade, peel, or abrade
☑ Resistant to UV weathering
☑ Excellent anti-fungal properties
☑ Excellent for both indoor and outdoor applications
☑ Non-primed adhesion to most surfaces
☑ Anti-sagging formula
☑ Low shrinkage after cure

COMPATIBLE SURFACES

☑ Most plastics
☑ Concrete and bricks
☑ Drywall and plaster
☑ All metal types, incl. ferrous, non-ferrous, soft, and coated
☑ Timber and wood
☑ Mirrors, glass, and laminates
☑ Granite and marble
☑ Ceramics, porcelain, and stone

COMMON APPLICATIONS

☑ Weatherproofing joints around windows and doors
☑ Mounting panels, skirting boards, thresholds, mirrors and insulation materials
☑ Bonding glass in synthetic and aluminium profiles
☑ Sealing/bonding coated metal, porcelain, polyester, stainless steel, anodised aluminium, and finished wood

APPLICATION

Surfaces must be clean and free from loose material, standing water, or contaminants which otherwise may impair the bond*. Non-porous surfaces such as aluminium should be cleaned/degreased before application. It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate.

For applications such as construction joints where some movement will be exhibited, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm (W) x 12mm (D). Where deeper joints are found, depth can be reduced using a suitable backer rod.

For areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm.

Sealing: Apply firmly into the joint using an application gun, ensuring a good solid fill is achieved.

Bonding: Apply in vertical lines approximately 30cm apart. Support for 24 hours until full cure occurs.

**This product is not recommended for direct application on substrates that seep oil.*

TECHNICAL DATA

Cure System	Neutral (atmospheric moisture curing)
Material	Silicone polymer
Appearance	Smooth, non-grainy, no agglomeration
Density (ISO 1183)	1.02 ± 0.02 g/cm^3
Flow Resistance	0mm
Coverage	300ml cartridge will seal approx. 10 meters with a 6mm bead
Skin Cure Time[1]	6 - 8 mins
Cure Rate[1]	Approx. 1.5 – 2mm per 24 hrs
Extrudability (ISO 8394)	≥ 200 ml/min
Shore A Hardness[1]	42
Max Elongation[1]	292%
Elastic Recovery[1]	96%
Application Temperature Range[1]	-10 to +40°C
Service Temperature Range[1]	-50 to +200°C
Recommended Storage Temperature	10 to 25°C (do not exceed 45°C)
Shelf Life (unopened)	12 months minimum when stored continuously in cool, dry conditions
Post-Application Life Expectancy	When used and applied correctly, in excess of 20 years

Note: Application of the sealant at -10°C is permissible provided the surface to receive the silicone is dry and free of frost. The maximum service temperature listed is for transient temperature; the silicone sealant will deteriorate if subjected to these temperatures on a continuous basis.

Testing Conditions: Temperature: 23°C, Relative Humidity: 50%, Test Period: 28 Days
[1] Standard: GB/T 13477.5-2003

FIRST AID & SAFETY PRECAUTIONS

Always refer to Safety Data Sheet/s before use. Use proper Personal Protection Equipment. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation. Avoid breathing fumes. Keep away from heat, sparks, open flames, and hot surfaces. This product may produce adverse health conditions, ranging from minor skin irritation to serious systemic effects. It should not be used, stored, or transported until the handling precautions and recommendations as stated in the Safety Data Sheet/s for this product have been fully understood by all persons who will work with the material.

STORAGE & TRANSPORT

Refer to Safety Data Sheet/s for recommendations. As a general precaution, keep containers tightly closed, protect from sunlight, and do not expose to temperatures exceeding 45°C. Containers should be secured and stored upright during transit.

DISCLAIMER

Every effort has been made to ensure the information provided in this document is accurate at the date of publication. Chemtools® Pty Ltd expressly recommends that the user make his/her own assessment to determine the suitability of the product for its intended purpose prior to application. Chemtools® Pty Ltd shall not be responsible for loss, damage, or injury, resulting from the reliance upon, or failure to adhere to, any recommendations or information contained herein; nor from abnormal use of the material; nor from any hazard inherent in the nature of the material.