

DUROSIL DS100

NEUTRAL SANITARY SILICONE SEALANT



DESCRIPTION

Durosil DS 100 is a versatile, one component, 100% silicone sealant for sealing building joints and glazing systems and has excellent UV and weather resistance. Ds100 cures with atmospheric moisture to form a durable rubber seal.

FEATURES

- Antifungal and Antibacterial.
- Excellent UV and weather resistance.
- Advanced sanitary features allow usage in high condensation areas.

USES

Durosil DS 100 is suitable for:

- Kitchens, bathrooms, and showers.
- Joint sealing to precast concrete and brickwork.
- Industrial applications where growth of fungi need to be controlled.
- Perimeter and curtain wall sealing, glazing systems and cap beading.

COLOURS

- Translucent
 - White
 - Off White
 - Pebble
 - Honey Oak
 - Latte
 - Sand
 - Taupe
 - Dark Cocoa
 - Black
- Coffee
 - Tile Grey
 - Grey Mist
 - Dune Berry
 - Steel Grey
 - Slate Grey
 - Smoke Grey
 - Bluestone
 - ONYX Grey

TECHNICAL SPECIFICATION

Physical Properties	Test Method	Typical Value
Cure Mechanism	-	Moisture Cure
Chemistry	-	Neutral Oxime
Specific Gravity,@ 25°C g/ml	ASTM D1475	1.03 ± 0.02
Skin Over Time,@ 25°C, Minutes	-	2 - 5
Rheological Flow @ RT	ASTM C639	Non-sag
Curing rate, at RT mm/day	-	>2
Tensile Strength (N/mm2	ASTM D 412	0.7 - 1.0
Elongation at break , %	ASTM D 412	300 - 500
Hardness, Shore A	ASTM D2240	25 - 30
Tear Resistance (N/mm)	ASTM D624	4 - 6
Service Temperature (°C)		-40 to +150
Application Temperature (°C)		+5 to +40

PACKAGING

- 300ml cartridge.



SURFACE PREPARATION

Surface must be clean, dry & free of dirt, dust, grease, oil, mildew, wax, loose paint, frost & old caulking. Clean metal surfaces may be primed for the best results. To achieve the best results, apply only when sealant, air & substrate temperatures are between +5°C to +40°C.

DIRECTIONS

- Clip off tip of nozzle @ 45° angle to desired size
- Use only in well-ventilated areas.
- Masking tape along joint sides will assure straight edge & neat appearance.
- Apply using steady, even pressure to completely bridge joints.
- Smooth sealant using back of spoon dipped in solution of soapy water, for a neat appearance.
- Wipe away excess with a paper towel before surface skins.
- Protect from water until cured (usually 24 hrs.).

Note: SEALANT NOT PAINTABLE. Complete painting prior to application of sealant.

CLEAN UP

Use dry Paper Towel/Rag or Mineral Spirits for cleaning before the sealant cures.

LIMITATIONS

- Sealant not paintable.
- Requires Solvent Clean-up.

FOR BEST RESULTS

- Complete all painting prior to sealant application.
- Apply only to properly prepared surfaces; silicone will not adhere to itself or to other sealants; surface air & substrate temperature between +5°C and +40°C.
- Tool the applied bead with back of spoon, dipped in soapy water.
- Clean up solvent before cure with mineral spirits; after cure remove excess with razor blade; avoid undercutting seal.

STORAGE AND SHELF LIFE

Durosil DS 100 has a shelf life of 12 months from the date of production when stored in the original unopened containers at or below 25°C. In countries where high heat and humidity are a factor, special precautions must be taken to store the product in a covered, well-ventilated warehouse and avoid excessive heat conditions.

SAFETY

Safety data sheet available upon request.

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