



DESCRIPTION

DURASIL P is a clear, one-part acetoxy-curing high quality sanitary silicone sealant that provides a permanent flexible, durable, watertight seal for general purpose sealing in and around the home. The sealant is extremely resistant to UV radiation, weathering, ageing and water, and offers excellent chemical resistance and is unaffected by alcohols, dilute acids and alkalis, soap and household detergents. The sealant remains flexible over a wide range of temperatures from -45°C to 150°C. It also performs as an excellent adhesive on non-porous surfaces where an elastic gap-filling bond is required. It has a non-sag rheology and can be applied to vertical surfaces.

SMART ADVANTAGES

- MOULD RESISTANT
- 100% WATERPROOF
- PERMANENTLY FLEXIBLE
- LOW SHRINKAGE
- NON YELLOWING

USES

DURASIL P is ideal for sealing, bonding, and mending tasks in and around the house such as sealing around bathroom and kitchen fittings, bonding up signboards, insulating appliances, fixing leaking plumbing, etc.

ADHESION

DURASIL P exhibits excellent primerless adhesion to many non-porous materials e.g. ceramics, glass, enamel, porcelain, coated wood, painted surfaces, canvas, stainless steel, aluminium, some rubbers and some plastics (epoxide, polyester, polyacrylate, polystyrene, formica, fiberglass, acrylics, polycarbonates and rigid PVC).

SAFETY INSTRUCTIONS

DURASIL P is non-toxic, however it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. The product releases a pungent vinegar-like odour when uncured. Avoid breathing in vapours.

SURFACE PREPARATION

Ensure surfaces are clean, dry and free of loose materials, dust, grease, rust and other contaminants. Surfaces such as metals and glass should be degreased with a solvent e.g. acetone. Plastics should be lightly abraded with emery paper. Alcohol based cleaners should not be used for cleaning surfaces as alcohol inhibits the cure of silicones. Soaps or detergents used to clean the surface must be rinsed away thoroughly with clean water to ensure that all traces of the soaps are removed before sealing. Use backing material when sealing deep cavities. If the area being sealed needs to be painted, ensure that the paint has dried before applying sealant.

APPLICATION

- Ensure that surfaces are prepared as above.
- Use masking tape to get a clean, even sealant line and to eliminate cleaning difficulties on porous surfaces. Remove tape after silicone application before the sealant skins. Remove the cap and pierce seal with reverse side of cap. Cut the nozzle to desired bead size and screw onto tube. Apply silicone at a slight angle in a continuous bead to the prepared joint. After use, remove the nozzle, wipe clear and replace the cap firmly.



- Cartridge - cut the tip off the cartridge and screw on the nozzle. Cut the tip of the nozzle at an angle to achieve the desired bead size. Apply with a caulking gun in a continuous bead to the prepared joint.
- Remove unwanted silicone immediately.
- Smooth down after application within 3-5 min before skin formation occurs, by using a flat or rounded tool.
- Sealant dries to touch in approximately 45 minutes and reaches full cure after approximately 24 hours.

CLEANING

Uncured silicone can be removed from the hands or tools using a clean solvent soaked cloth, e.g. turpentine or paraffin. If removing uncured silicone from clothing, check fabric colour fastness before applying solvents.

PRODUCT CHARACTERISTICS

Type	Acetoxy curing
Colour	Transparent , White , Black , Brown , Golden Oak , Beige
Density (g/cm ³)	[ASTM 1045-86] 0.96g/cm ³ at 23°C

TECHNICAL DATA

Application temperature	5°C to 40°C
Curing time	Approximately 24 hours per 2mm (25°C, 50% RH)
Skin over time	Approximately 45 minutes (25°C, 50% RH)
Chemical resistance	Resistant to most diluted mineral and organic acids, alkalis and salts at normal temperatures
Temperature resistance	Retains elasticity down to – 45°C and up to 150°C
Water resistance	Waterproof
Modulus at 100% elongation	ASTM D412] 0.4 N/mm ²
Movement accommodation factor	ISO 11600] 20%
Shore A hardness	[ASTM D412] 17
Elongation at break	[ASTM D412] 570%
Tensile strength	[ASTM D412] >4.0 N/mm ²

SHELF LIFE

24 months in the original, hermetically sealed packaging between 5°C and 35 °C

PACKAGING

- 280 ml Cartridge