



ENERSIL Mastic – 100% Silicone Sealant is cost effective, multipurpose, neutral cure silicone sealant offering long term durability in a range of general sealing, general glazing, waterproofing and trade applications. Non-corrosive to concrete, brick and metals

KEY FEATURES

- Neutral cure product without any objectionable acetic fumes.
- Easy to use-one part, no mixing required.
- Non-slumping overhead joints.
- Can be applied in any kind of weather and season.
- Adheres to a range of common building material and finishes.
- Cures to a strong, flexible seal capable of withstanding movement in and around the joint
- Resistant to weathering, UV, vibration, moisture, thermal cycling, airborne pollutants, cleaning detergents and many solvents.

APPLICATION GUIDELINES

Application:

All general purpose sealing / bonding applications in construction like aluminum window perimeter sealing, ACP panel pasting, groove filling, bath tub and basin sealing, industrial roofing, cold storage panel joints, telecom shelters, mirror fixing, shower cubicles, dust free room etc.

Many industrial applications of sealing/bonding where acetic acid fumes are not desirable in confined area working like air conditioning ducting sealing, solar heater panel sealing, bus body etc.

Preparation

Clean all joint surfaces. Surfaces must be clean, dry and sound. Remove all loose debris and/or old sealant, if any. General recommendations are: For non- porous surfaces: Solvent wipe the joint surfaces using a non-oily solvent such as methyl ethyl ketone, white sprits or mineral turpentine on a clean white lint-free cloth to remove any oils and contaminants. Immediately wipe with a second dry cloth to remove any traces of solvent and contamination For Porous surfaces such as concrete: Wire brush or abrade the surfaces to remove loose debris, old paint and other contaminants. Remove dust with an oil-free compressed air blast and/or high pressure water blast. Allow to dry before sealing. If necessary solvent wash and allow to dry

Usable Life And Storage:

When stored at or below 86°F (30°C) in the original unopened containers, ENERSIL Mastic – 100% Silicone Sealant has a usable life of 12 months from the date of manufacture.

Colors:

Clear – White – Black – Grey

Packaging Information:

This product is available in 300ml Cartridge, 600ml Sausage & 22kg Drum

Disclaimer:

KEEP CONTAINER/CARTRIDGE TIGHTLY CLOSED
KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY

For more details:

Website : www.enercon-group.com

Address : Tampa, Florida, USA

TECHNICAL PROPERTIES

Property	Results		
Color Chemical Base	Neutral CureSilicone		
Uncured – 23°C, 50% R.H.			
Property	Unit	Clear	Black,White,Grey
Flow(Sag or Slump) (ASTM D 2202)	mm	0	0
Tack-Free Time (CTM 0098)	min	Max 20	Max 20
Extrusion Rate (CTM 0364)	g/min	200-450	200-400
Specific Gravity (ASTM D 1475)	g/ml	0.95-1.0	≥1.40
Cured 7 days – 23°C, 50% R.H.			
Shore A Hardness (ASTM D2240)	points	20-30	30-40
Tensile Strength (ASTM D412)	Mpa	≥0.8	≥1.0
Elongation at Break (ASTM D412)	%	≥400	≥400

*Note

1. Above values are nominal values and actual values may vary based upon statistical variations depending upon equipment temperature, application and test method, actual site conditions and curing conditions.

2. ASTM – American Society for Testing of Material

3. CTM – Corporate Test Method

Application Method

Mask adjacent surfaces with masking tape. Masking will ensure a clean, neat appearance and reduce clean up by protecting surrounding areas from excess sealant.

Cut tip off the cartridge. Cut nozzle at 45° angle to the desired shape and size. Screw nozzle onto cartridge. Place cartridge in caulking gun. Air-operated or hand-operated caulking guns can be used. Apply sealant into the base of the joint so that it completely fills the joint, wetting both sides. Do not simply lay a bead on the surface as the sealant will not penetrate the joint under its own weight.

Tool the surface of the joint immediately after sealant application to provide a smooth even finish and to ensure the sealant wets the sides of the joint. Tooling should be completed in one continuous stroke before the sealant forms a skin (i.e.; within the working time). A tool with a convex profile is recommended to keep the sealant within the joint. When sealing horizontal joints tool the sealant so that any liquids (e.g. rain water, cleaning solutions) do not collect and pool on top of the sealant. Do not use soap or water as tooling aids. Remove masking tape immediately after tooling and before the sealant skins. After a skin has formed, do not disturb the joint for 48 hours. Avoid contact with various cleaning agents or solvents (e.g. bleach) whilst sealant is curing. Uncured sealant can best be cleaned from tools using commercial solvents such as xylene, toluene or methylethyl ketone. Mineral turpentine will suffice if available. Observe proper precautions when using flammable solvents. On porous surfaces allow sealant to cure before removing by abrasion.

Cured sealant is not soluble and must be trimmed with a blade, avoid undercutting the seal. Sealant releases ethyl methyl ketoxime and ethanol during cure. Once cured this odor disappears. Fully cured sealant is not hazardous.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT SAFETY DATA SHEETS AND PRODUCT LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION

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