



PRODUCT BULLETIN W7890 WEATHER

Silicone Sealant

DESCRIPTION

STRONG SEAL W 7890 is a single component neutral cure Weather proofing silicone sealant that extrudes easily and vulcanizes on exposure to moisture in the air at room temperature, to produce a flexible low modulus elastomeric sealant. This is specially designed for sealing expansion joints and control joints, precast concrete panel joints, non-structural curtain wall mullion joints, stress cracks and joints in parapet walls. It has excellent adhesion to most common building materials and are unaffected by rain, snow, ozone or temperature extremes. This is compatible with most of the structural and weather sealants.

KEY PERFORMANCE PROPERTIES

- ❖ Easy to use one component type. No surface pre-treatment or primer required.
- ❖ Cures at room temperature at ambient humidity conditions.
- ❖ Outstanding adhesiveness to many substrates, including Glass, Ceramics, Aluminium, Masonry, Concrete, porous materials like marble Granite etc...
- ❖ Non-corrosive and excellent durability and resistance to weathering, moisture, ozone etc. Cured sealant stays elastomeric from -40°C to 150°C, without hardening, cracking or becoming brittle in normal weather conditions.
- ❖ This has an extension / compression capability up to 30% of the original joint width.
- ❖ All temperature Gunn ability – consistency is unchanged from -35°C to 71°C permitting the sealant to be applied in any season to dry, frost free surfaces.

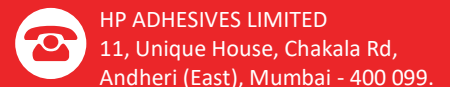
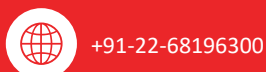
TYPICAL PROPERTIES

Colour	White, Clear, Brown, Grey, Beige, Cream & Clear translucent
Consistency	Non-Slump Paste
Cross Linking System	Oxime cure
Skin Forming Time	7 minutes
Tack Free Time	15 minutes
Specific Gravity	≤ 1.35
Hardness (Shore A)	35
Depth Cure Rate (mm/Day)	2
Viscosity Flow	Non Sag
Tooling Time	10
Tensile Strength	0.9
Elongation %	> 800%
Young Modulus	0.3
Application Temperature Range	- 40°C to 200°C
Elastic Recovery, % Approx.	>80
Tear Strength ASTM D 624, Form B	6N/mm ²
Shrinkage DIN 53504 S3A	20%
Shelf life in months from production date	12 Months
Movement Capability ASTM C719	± 35%



USAGE METHODS

Substrate preparation: All surfaces must be clean and dry, degrease and wash off any contaminants that could impair adhesion. Install backing material or joint filler setting blocks, spacer, shims and tapes. Areas adjacent to joints may be masked to ensure neat application. Primer is not required in most of the cases, however on porous surfaces the applicator has to do a test sample before application. To confirm optimum adhesion on porous or non-porous surface, adhesion test is always recommended to be carried out prior to commencement of any project. Apply Strong seal W7800 weather sealant in a continuous operation using a positive pressure. Tool the sealant with light pressure to spread the sealant against backing material and the joint surfaces before skin forms. The applied sealant should be tooled within 10 to 15 minutes, or before a skin forms, which depends on the humidity conditions during the time of application. Remove the masking tapes soon as the tooling is done.





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USABLE LIFE AND STORAGE

Product should be stored at or below 25°C (77°F) in original, unopened containers. As Strong Seal Silicone Sealant cures by reaction with moisture in air, keep the container tightly sealed when not in use. A plug of used material may form in the tip of a tube or cartridge during storage. This is easily removed and does not affect the remaining contents if used within 24 Hours. However, storing used ones for a long time may make the product unsuitable. Best to use within 12 months of production date.

LIMITATIONS:

- Not recommended for use in below-ground joints or trafficable joints where abrasion and physical abuse are encountered.
- Cannot be painted, as paint will not adhere to sealant.
- It should not be applied to building materials that bleed oils, plasticisers, or solvents. Materials such as impregnated wood, oil-based caulks and certain green or partially vulcanised rubber gaskets and tapes.
- Not recommended for use in closed or confined areas where sealant cure may be inhibited by lack of air.
- Do not use in the manufacture of insulated glass (IG) units., or as structural glazing.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Manufacturer's sole warranty is that our products will meet the sales specifications in effect at the time of shipment. Warranty is also valid if the products are stored as per the instructions given in our manual. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.



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