



# PRODUCT BULLETIN

# 3700FAST

## GENERAL PURPOSE SILICONE SEALANT

### DESCRIPTION

STRONG SEAL 3700 GP Fast, General purpose sealant is a single component, high grade Acetic cure silicone sealant which vulcanizes on exposure to moisture in the air at room temperature, to produce a flexible elastomeric sealant. It is suitable for all common construction and glazing application. It is easy to apply and offers excellent adhesion to a variety of nonporous substrates such as glass, glazed ceramic tiles and aluminum. It is resistant to ozone, ultra-violet radiation and temperature extremes.

### KEY PERFORMANCE PROPERTIES

- ❖ Single component sealant hence easy to use, with antifungal and antibacterial properties
- ❖ Cures at room temperature at ambient humidity conditions.
- ❖ All temperature gun ability – can be applied in all temperatures.
- ❖ Excellent resistance to weathering, moisture, ozone, UV, temperature Extremes etc.

### TYPICAL PROPERTIES

|   |   |
|---|---|
| Color                                     | White, Clear, Brown, Grey, Beige, Cream & Clear translucent |
| Consistency                               | Non-Slump Paste   |
| Cross Linking System                      | Acetoxy cure  |
| Skin Forming Time                         | 8 minutes   |
| Tack Free Time                            | 30 minutes  |
| Specific Gravity                          | ≤ 0.96  |
| Hardness (Shore A)                        | 22  |
| Depth Cure Rate (mm/Day)                  | 2.5mm   |
| Viscosity Flow                            | Non Sag   |
| Tooling Time                              | 20 minutes  |
| Tensile Strength                          | 1.00  |
| Elongation %                              | > 750%  |
| Young Modulus                             | 0.22  |
| Application Temperature Range             | - 30°C to 180°C   |
| Elastic Recovery, % Approx.               | >90   |
| Tear Strength ASTM D 624, Form B          | 6N/mm <sup>2</sup>  |
| Shrinkage DIN 53504 S3A                   | 15%-20%   |
| Shelf life in months from production date | 12 Months   |



### APPLICATION AREAS

- Aluminum / Glass and standard glazing
- Curtain wall jointing.
- Metal to metal joints and duct work sealing.
- Draught proofing. Solar collectors.
- Sealing door / window's frames, tiling, skylights, backlights.
- Realizing a flexible joint in assembling sink and decorative parts.
- Sealing works in air conditioning systems.
- Sealing Shop windows and greenhouses.
- Automobile and windshield glass fixing.
- Bus body sealing and interiors application
- Furniture and all other wood based applications, waterproofing specially flashings.
- Gasketing applications, Industrial applications, sealing and dust proofing.
- Usage for kitchens, chimneys where the temperature does not cross 180°C continuously.



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**Application method:** Surface must be clean, dry and should be free from oil, grease, dust and frost. After suitable joint preparation and masking, attach the nozzle to cartridge, cut to required dimension and the sealant is gunned into gap continuously and tooled within 5 minutes. Do not use in totally confined spaces because the sealant requires atmospheric moisture to cure.

**Handling and Storage:** No special precaution has to be exercised. Always follow appropriate personal and industrial hygiene practices. Avoid direct contact with eyes, skin. Keep out of reach of children. Refer MSDS for further information. Store below 25° Centigrade in a cool dry shaded area.

Note: The information in this data sheet is given in good faith but without warranty, as conditions of storage and use may vary which is beyond our control. User is requested to determine whether the STRONG SEAL products are fit for a particular purpose and suitable for user's method of use and applications.



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