

Approved Sealant for ClearShield Glass

1. SEALANTS APPROVED FOR USE ON "ClearShield GLASS" - GENERAL WEATHER SEALING AND GLAZING APPLICATIONS

The cross-linking mechanism of ClearShield is especially formulated so that certain types of sealant attach to it chemically. This means these and only these sealant can be used on ClearShield Glass for general weather sealing and glazing purposes.

Part 3 lists the sealant approved by their respective manufacturers for use on ClearShield Glass in general weather sealing and glazing applications.

All of the approved sealant are silicones. Manufacturers of other types of sealant, e.g. polyurethanes, polysulphides and hot melt butyls, have carried out similar tests and confirmed they do not adhere to ClearShield Glass.

Please note:

- the approvals cover general weather sealing and glazing applications only (see Section 2 below for information about structural glazing);
- the sealant manufacturers specifically reserve the right to retest any ClearShield Glass in circumstances where they are requested to issue project specific warranties, which is entirely standard practice on their part;
- excess ClearShield polymer must always be washed away before application of the weather sealing sealant.

These approvals allow ClearShield Glass to be used in general weather sealing and glazing applications without the need for edge deletion or masking.

Copies of the sealant manufacturers' letters of approval are available upon request.

2. STRUCTURAL GLAZING APPLICATIONS

As stated above, the manufacturers' approvals do not apply to sealant used for structural glazing applications. Edge masking or deletion is still required in such cases.

Dow Corning Europe have confirmed in writing that they "do not however have any objection for the coating (ClearShield) to be applied to the glass after the structural sealant have been applied and have cured".

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Please note:

- all glass edges to which a structural sealant is to bond must either be completely masked off with a solvent-proof tape prior to application of ClearShield, or the ClearShield thoroughly deleted by grinding;
- due to the type of curing process used by structural sealant, other chemicals (including "Neutraliser" and ClearShield) must not be allowed to come into contact during curing of the sealant;
- after curing of the structural glazing sealant, the manufacturers caution against contact with either acidic or alkaline substances unless approved by them in advance. Such approvals can be requested through Ritec.

It is most important that guidelines and precautions of the structural glazing sealant manufacturers be followed at all times. Please refer to Ritec any questions in this regard.

3. WEATHERSEALING AND GLAZING SEALANTS APPROVED FOR USE ON "ClearShield GLASS"

3.1. DOW CORNING EUROPE

<u>Country / Area</u>	<u>Approved Products</u>		
• Benelux	797	SI 194	V23-1 V23-4 V23-5 V23-7
• France		SI 198	V23-08N V23-1 V23-7 V23-6N
• Germany			V23-1 V23-6N V23-7 V43-4 V43-5

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<u>Country / Area</u>	<u>Approved Products</u>		
• Italy	797	SI 181 SI 196 SI 197 SI 198	V23-6N
• Middle East	797	911 917	V23-6N
• Scandinavia	797	SI 181 SI 197	V23-1 V23-4NY V23-6N V23-7
• South Africa	781 795 797		
• Spain	781	SI 181 SI 196 SI 197 SI 198	
• United Kingdom	781 787 794 795 797		

3.2. DOW CORNING - USA

790
791
795
799
983
995
32 999A

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3.3. GENERAL ELECTRIC SILICONES - USA

SCS 1200

3.4. NOVAGUARD - USA

M Series Novaflex Sealant
SB Bedding Silicones

3.5. SIKA INDUSTRY - GERMANY

Sikaflex Products

Used on autoglass, buses and ships.

3.6. EGO - GERMANY

Approval was obtained in 1997 for their product range covering neutral and acid-curing silicones.

NOTES:

- 1) The sealant manufacturer approvals apply only to general weather sealing and glazing applications, not to structural glazing.
- 2) Refer to the Ritec "Sales & Marketing Update" of June 1993 for details and precautions.