

# SEALANT COMPATIBILITY OF SENTRYGLAS® INTERLAYER

A wide variety of sealants are used by the glazing industry and it is therefore critical to understand the chemical and mechanical compatibility of these sealants with the interlayer produced in a glass laminate. Laminates prepared with SentryGlas® demonstrate excellent compatibility with different types of sealants used in glazing applications. This is supported by tests conducted internal method but also by studies carried out by sealant manufacturers. These tests include accelerated QUV weathering and modified ASTM C1087 compatibility test methods as well as DI guideline, IFT Rosenheim, UV radiation tests, high-temperature and high humidity test scenarios. Portland cement-based and gypsum-based products are not compatible with SentryGlas® (or PVB) laminates and should not be used with laminated glass.

## OUTDOOR TESTING

Laminates with SentryGlas® show no edge defect formation, even after more than 20 years of natural outdoor weathering in Florida when tested with different types of sealants. In these tests, laminates with SentryGlas® have shown no signs of degradation from interactions with any of the sealants tested. Details of all sealant compatibility tests carried out by Kuraray and by sealant manufacturers are available on request from Kuraray. For a complete list of compatible sealants for SentryGlas® interlayer, please refer to the following table.

**For a complete list of Compatible Sealants for SentryGlas® interlayer, please refer to the following table:**

Company / Grade	Description	Test Method
<b>ARBOSIL</b> Arbosil 1096	1-component silicone sealant, neutral-cure	
<b>C.R. LAURENCE</b> C.R. Laurence 33SC C.R. Laurence RTV408AL	1-component silicone sealant, acetic-cure 1-component silicone sealant, neutral-cure	
<b>DOWSIL™</b> DOWSIL™ 756 DOWSIL™ 756-SMS DOWSIL™ 757 DOWSIL™ 790 DOWSIL™ 791 DOWSIL™ 791-T DOWSIL™ 795 DOWSIL™ 895 DOWSIL™ 983 DOWSIL™ 993 DOWSIL™ 994	1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure Ultra Fast, 2-component silicone sealant, neutral-cure	ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1 ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1          ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1          ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1

Company / Grade	Description	Test Method
DOWSIL™ 995 DOWSIL™ 1199 DOWSIL™ 3362 DOWSIL™ 3356 HD	1-component silicone sealant, neutral-cure 1-component silicone sealant 2-component silicone sealant 2-component silicone sealant	ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1 ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1
<b>GE ADVANCED MATERIALS</b> GE Silglaze® II SCS2802 GE SilPruf® NB SCS9000 GE UltraGlaze® SSG4000 GE UltraGlaze® SSG4400	1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure	
<b>KÖMMERLING</b> GD 116 GD 677 GD 920 GD 823 N GD 826 N Ködiglaze Ködiglaze P	2-component polysulfide sealant, solvent-free 2-component polyurethane sealant, solvent-free 2-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure S 2-component silicone sealant, neutral-cure 1- or 2-component polyurethane, sealant solvent free	IFT Guideline DI-02/1 IFT Guideline DI-02/1 IFT Guideline DI-02/1 IFT Guideline DI-02/1 IFT Guideline DI-02/1 IFT Guideline DI-02/1 IFT Guideline DI-02/1
<b>PECORA</b> Pecora 895 NST	1-component silicone sealant, neutral-cure	
<b>SIKA</b> Icosit® KC-340/7 SikaGlaze® GG-735 Sikasil® GS-621 Sikasil® IG-16 Sikasil® IG-25 Sikasil® IG-25 HM Plus Sikasil® SG-18 Sikasil® SG-20 Sikasil® SG-500 Sikasil® SG-500 CN Sikasil® SG-550 Sikasil® WS-305 CN Sikasil® WS-355 Sikasil® WS-605 S Sikasil® WS-680 SC Sikasil® WT-480 Sikasil® WT-485	2-component polyurethane sealant, solvent-free 2-component polyurethane sealant, solvent-free 1-component silicone sealant, acetic-cure 1-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure, high modulus 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 2-component silicone sealant, neutral curing 2-component silicone sealant, neutral-cure, high modulus 2-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 2-component silicone sealant, neutral-cure, high modulus 2-component silicone sealant, neutral-cure	CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7 CQP 593-7
<b>TREMCO</b> Spectrem 1 Spectrem 2 Tremglaze S100 Vulkem 116	1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component silicone sealant, neutral-cure 1-component polyurethane sealant	