

# 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, UVradiation tests, high-temperature and high humidity test scenarios.

## OUTDOOR TESTING

Laminates with SentryGlas® show no edge defect formation, even after 15 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><br>Arbosil 1096  | 1-component silicone sealant, neutral-cure   |  |
| <b>C.R. LAURENCE</b><br>C.R. Laurence 335C<br>C.R. Laurence RTV408AL 999-A, 1199  | 1-component silicone sealant, acetic-cure<br>1-component silicone sealant, neutral-cure  |  |
| <b>DOWSIL™</b><br>DOWSIL™ 756<br>DOWSIL™ 756-SMS<br>DOWSIL™ 757<br>DOWSIL™ 790<br>DOWSIL™ 791<br>DOWSIL™ 791-T<br>DOWSIL™ 795<br>DOWSIL™ 895<br>DOWSIL™ 983<br>DOWSIL™ 993<br>DOWSIL™ 994 | 1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure<br>Ultra Fast, 2-component silicone sealant, neutral-cure | ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1<br>ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1<br>ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1<br>ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1 |

| Company / Grade   | Description   | Test Method   |
|---|---|---|
| DOWSIL™ 995<br>DOWSIL™ 999-A<br>DOWSIL™ 1199<br>DOWSIL™ 3362<br>DOWSIL™ 3356 HD   | 1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant<br>2-component silicone sealant<br>2-component silicone sealant  | ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1<br>ASTM C1087, ETAG 002, IFT-Guideline DI-02engll/1  |
| <b>GE ADVANCED MATERIALS</b><br>GE Silglaze® II SCS2802<br>GE SilPruf® NB SCS9000<br>GE UltraGlaze® SSG4000<br>GE UltraGlaze® SSG4400   | 1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure  |   |
| <b>KÖMMERLING</b><br>GD 116<br>GD 677<br>GD 920<br>GD 823 N<br>GD 826 N<br>Ködiglaze<br>Ködiglaze P   | 2-component polysulfide sealant, solvent-free<br>2-component polyurethane sealant, solvent-free<br>2-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>S 2-component silicone sealant, neutral-cure<br>1- or 2-component polyurethane, sealant solvent free   | IFT Guideline DI-02/1<br>IFT Guideline DI-02/1<br>IFT Guideline DI-02/1<br>IFT Guideline DI-02/1<br>IFT Guideline DI-02/1<br>IFT Guideline DI-02/1<br>IFT Guideline DI-02/1   |
| <b>PECORA</b><br>Pecora 895 NST   | 1-component silicone sealant, neutral-cure  |   |
| <b>SIKA</b><br>Icosit® KC-340/7<br>SikaGLaze® GG-735<br>Sikasil® GS-621<br>Sikasil® IG-16<br>Sikasil® IG-25<br>Sikasil® IG-25 HM Plus<br>Sikasil® SG-18<br>Sikasil® SG-20<br>Sikasil® SG-500<br>Sikasil® SG-500 CN<br>Sikasil® SG-550<br>Sikasil® WS-305 CN<br>Sikasil® WS-355<br>Sikasil® WS-605 S<br>Sikasil® WS-680 SC<br>Sikasil® WT-480<br>Sikasil® WT-485 | 2-component polyurethane sealant, solvent-free<br>2-component polyurethane sealant, solvent-free<br>1-component silicone sealant, acetic-cure<br>1-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure, high modulus<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral curing<br>2-component silicone sealant, neutral-cure, high modulus<br>2-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>2-component silicone sealant, neutral-cure, high modulus<br>2-component silicone sealant, neutral-cure | CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7<br>CQP 593-7 |
| <b>TREMCO</b><br>Spectrem 1<br>Spectrem 2<br>Tremglaze S100<br>Vulkem 116   | 1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component silicone sealant, neutral-cure<br>1-component polyurethane sealant  |   |