

DuPont™ SentryGlas® Plus

INTERLAYER

Sealant Compatibility

Many different sealants are used in the glazing industry and it is important to understand the chemical and mechanical compatibility of these sealants with the interlayer fabricated in a glass laminate. Laminates prepared with SentryGlas® Plus interlayer show excellent compatibility with different kinds of sealants used in various glazing applications.

DuPont outdoor testing of sealant compatibility

SentryGlas® Plus laminates show no edge defect formation after 42-months of natural outdoor weathering in Florida when tested with different types of sealants:

DuPont™ SentryGlas® Plus Sealant Test

C. R. Laurence 33SC	one component, acetic-cure, silicone
C. R. Laurence RTV408AL	one component, neutral-cure, RTV silicone
Dow Corning 995	one component, neutral-cure, silicone
Dow Corning 999-A	one component, acitoxo, silicone

SentryGlas® Plus laminates show no degradation from interactions with any of the sealants tested. There has been no differentiation between the silicone/SentryGlas® Plus interface and the SentryGlas® Plus/air interface. DuPont continues to conduct extensive sealant compatibility studies, and further results can be obtained by contacting your local DuPont representative.



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Independent tests

An independent study done by GE Advanced Materials has been done with SentryGlas® Plus laminates and various GE sealants. This has involved years of accelerated QUV weathering. The following sealants have been studied:

Independent Sealant Test—GE Advanced Materials

GE UltraGlaze® SSG4400	two component, neutral-cure, high modulus, silicone
GE UltraGlaze® SSG4000	one component, neutral-cure, high modulus, silicone
GE SilPruf NB SCS9000	one component, neutral-cure, medium modulus, silicone
GE IGS3729	one component, neutral-cure, high modulus, silicone

Laminates prepared with SentryGlas® Plus show no visible defects.

An independent study by Dow Corning reviewed these sealants using a modified ASTM C1087 compatibility test method:

Independent Sealant Test—Dow Corning

Dow Corning® 756	one component, neutral-cure, medium modulus elastomeric silicone
Dow Corning® 790	one component, neutral-cure, ultra-low modulus silicone
Dow Corning® 791	one component, neutral-cure, architectural grade silicone
Dow Corning® 795	one component, neutral-cure, RTV silicone
Dow Corning® 983	two component, neutral-cure, RTV silicone
Dow Corning® 995	one component, neutral-cure, elastomeric silicone

The DuPont™ SentryGlas® Plus structural interlayer was determined to be approved for full contact with each of the Dow Corning sealants studied. A Dow Corning laboratory report can be obtained upon request.

Worldwide DuPont Sales and Support

DuPont Glass Laminating Solutions supplies and supports customers from research, manufacturing and sales locations worldwide.

Americas

DuPont Company, BMP26-2363
Lancaster Pike & Route 141
Wilmington, DE 19805 U.S.A.
Telephone +1 302 774 1161
Toll-free (USA) 800 438 7225
Fax +1 302 892 7390

DuPont do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone +55 11 4166 8542
Fax +55 11 4166 8720

Asia Pacific

DuPont China Holding Co, Ltd.
15th Floor, Shui on Plaza
333 Huai Hai Road (Central)
Shanghai 200021, China
Telephone +86 21 6386 6366
Fax +65 6272 7494

Europe / Middle East / Africa

DuPont de Nemours Int'l. S.A.
2, Chemin du Pavillon Box 50
CH-1218 Le Grand Saconnex
Geneva, Switzerland
Telephone +41 22 717 51 11
Fax +41 22 717 55 00

www.dupont.com/safetyglass

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K-08776-2 (05/07) Printed in the U.S.A.



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