UVEKOL® S

UV Curable Glass Laminating System

DESCRIPTION

*UVEKOL** S is a single component liquid for glass to glass lamination, curable under low intensity UV lights in as little as 20 minutes.

BENEFITS

One component, ready-to-use product
Fast and consistent process
Low start-up and operating cost
Superior optical clarity
Excellent impact and cycling performance
Sound deadening

PERFORMANCE and APPLICATIONS

Safety

Glass laminated with an 0.030" *UVEKOL* S interlayer meets ANSI Z97.1-1984 and CPSC 16 CFR 1201 (Cat. I and II) safety standards.

Hurricane Resistance

UVEKOL S is certified as an interlayer for hurricane resistant glass by Dade County Florida, under NOA# 03-1223.04 and NOA# 03-1117.05

Systems using glass laminated with a *UVEKOL* S interlayer thickness of 0.100" to 0.120" have consistently passed impact and cycling testing according to the following protocols:

- Miami Dade County, Florida: PA 201, 202, 203
- Florida Building code: TAS 201, 202, 203
- Texas Department of Insurance: TDI-98
- International Building Code: section 1609.1.4
- American Standard of Testing Materials:
  ASTM E1886 and ASTM E1996

Sound Control

The *UVEKOL* interlayer provides sound deadening properties to the glass and increases the STC rating of the window. A single laminate with *UVEKOL* S interlayer results in an STC value of 35.

Security

Glass laminated with *UVEKOL* S, in an appropriate set-up, can provide protection against forced entry and ballistics, for which the following standards apply:

Forced Entry
- ASTM F1233 – Level I
- UL 972 – Multiple and High Energy Impact
- DIN 52290 – Class A1, A2, and A3
- EN 356 – P1, P2, P3, P4, P5, P6, P7, P8

Ballistics
- UL 752 – Level 1, Level 2, and Level 3
- ASTM F1233 – HG1, HG2, HG3, HG4
- STS38 (Belgium) – A/T8, A2/T8, 5A/T8, BT8, A1/T9, B/T9, C/T9, and D/T9
- E05/201 (France) – Class 2

SPECIFICATIONS	**SMT**(1)	**Value**
Color, APHA, max.	001-R	50
Appearance	002-A	Clear liquid
Viscosity at 25°C, cP	013-AAA	100-140

PACKAGING

180 kg drums (approximately 48 gallons)
18 kg pails (approximately 5 gallons)

SAFETY, STORAGE AND HANDLING

Please consult the Material Safety Data Sheet for handling, storage and disposal information. Care and appropriate handling should be exercised at all times. *UVEKOL* S is a flammable liquid. Keep away from heat, flame and other ignition sources. *UVEKOL* S should be stored at less than 100°F (38°C) and exposure to direct sunlight should be avoided. Do not sparge or blanket with inert gas as oxygen is required to stabilize the product.

* *UVEKOL* UV curable glass laminating system is a registered trademark of Cytec Surface Specialties Inc.

(1) Standard Methods of Testing available upon of request.

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