# *UVEKOL*® A

## UV Curable Glass Laminating System

### DESCRIPTION

*UVEKOL** A is a single component liquid used to laminate glass-to-glass for acoustic applications in architecture and sound deadening uses. It is cured with low intensity ultraviolet (UV) light to provide an optically clear, transparent interlayer with excellent bond strength to glass. Once cured, typically in 20 minutes, no additional processing is required. The *UVEKOL* A interlayer produces glass laminates with excellent acoustic performance.

### KEY BENEFITS

- One component, ready-to-use product
- Fast and consistent process
- Low start-up and operating costs
- Superior sound deadening
- Safety performance
- Excellent optical clarity

### PERFORMANCE and APPLICATIONS

#### Sound Control

ASTM E 90-04, ASTM E 413-04 and ASTM E 1332-90, tested for 50 cm x 80 cm single laminates at 20°C[1]:

| Configuration | STC | OITC |
|---|---|---|
| 1/8" / 0.030" / 1/8" | 35 | 29 |
| 1/8" / 0.060" / 1/8" | 36 | 29 |
| 1/4" / 0.030" / 1/4" | 40 | 35 |

| TYPICAL CHEMICAL PROPERTIES | Value |
|---|---|
| Color, APHA, max. | 20 |
| Density (liquid) | 0.923 g/ml |
| Viscosity at 25°C, cP | 5-10 |

### PROCESS

Simple, 4-Step Process[2]:

- Cleaning: Wash and dry the lites of glass.
- Taping: Apply double-sided adhesive tape to the perimeter of one glass lite and assemble the two lites. The tape acts as a dam and provides the required thickness for the *UVEKOL* interlayer.
- Filling: Fill the space between the two lites of glass with *UVEKOL*. Since it is pumped in liquid form, *UVEKOL* spreads evenly – even between irregular surfaces.
- Curing: Curing begins only when you place the glass under UV lamps (black light), giving you greater control over the process. Cure time is typically 20 minutes.

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

(1) Testing performed at Architectural Testing, Inc., York, PA.
(2) Please consult the *UVEKOL* Manufacturing Manual for exact instructions on properly laminating glass with *UVEKOL* A.

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