

*SDL Window and Door
Muntin Bar
Adhesive Tape System*

Eliminates Liquid Silane Pretreatment

Extended Water Resistance

“Self Cleaning” Glass Tested

Long Term Detergent Resistance

High Tensile and Shear Strength

UV and Heat Stable

Weatherometer Cycle Tested

Wind Load Tested

Adchem[™]

the adhesive tape engineers

A True SDL Muntin Tape

Designed to meet the Demands of SDL Window Manufacture
Tested with Recognized* Industrial Methods for



- *Bond Strength*
- *Dynamic Shear , Tensile and Cleavage*
- *Elevated Temperature Resistance*
- *Weatherometer Cycling and Wind Loads*
- *UV and Heat Fogging*

* ASTM, AAMA, PSTC (Pressure Sensitive Tape Council), external testing at Dallas Labs and ATI

Adchem SDL Muntin Test Regimen

The following are the tests Adchem selected to assist in the design, development manufacture and testing of the SDL Muntin Adhesive System.

Peel Adhesion

- Dry
- 7 Days Water Immersion and Drying Cycles
- 72 Hour Detergent Aging

Cleavage Separation by Prying Forces

- Dry
- Water Immersion
- Detergent Aging

Materials Tested

Cellular PVC, Glass, Vinyl, Wood, Primed Wood, Painted Aluminum, Kynar® coated Aluminum. The list of test materials is constantly expanding.

Separation by Shearing Force

- Dynamic Lap Shear
- Static Lap Shear
- Elevated Temperatures

Separation By Tension

- Z Tensile Strength
- 7 Day Water Immersion Tensile

Environmental Exposures

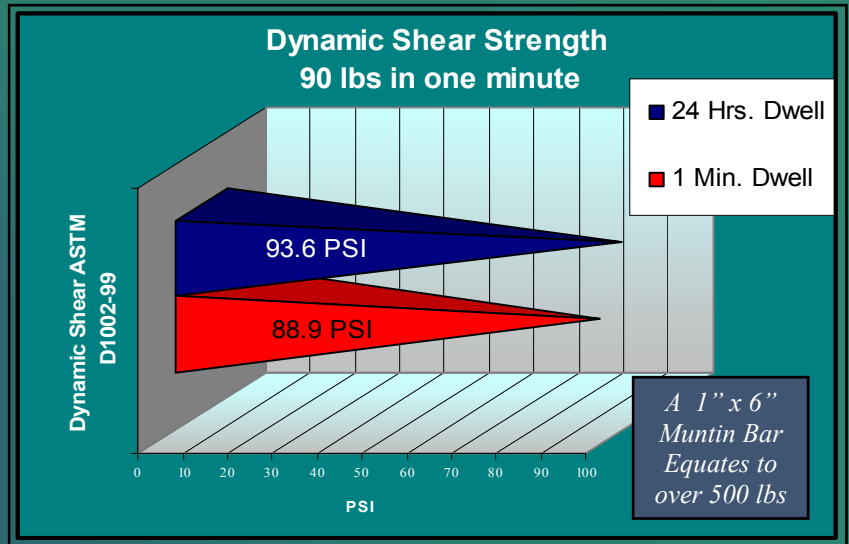
- Weatherometer and Wind Load

No Silane Glass Pretreatment Required!

Safe for Use on "Easier to Clean" & "Self Cleaning" Glass

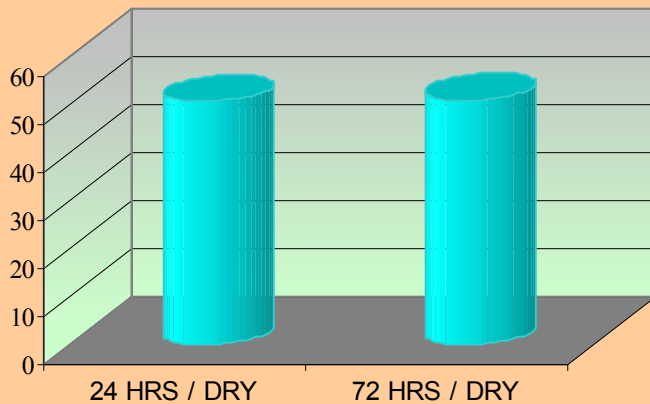
Engineered by Adchem Exclusively for Muntin Applications

Adchem designed its SDL Muntin Tape product to meet real world demands. We selected appropriate and aggressive long term tests to design and evaluate our performance. The result is a true SDL muntin tape. Adchem conducts a battery of industry recognized test methods to assure you of consistent product excellence.



Adchem has gone beyond limited water immersion testing to explore our products during weeks of water immersion and drying cycles. We have added critical tests for detergent aging anticipating storm cleanup and years of washing residue between glass and the muntin bar. We have created a cleavage tests to explore real ways rigid SDL muntin might be pried off the glass by deflection and prying.

Tensile Strength Z Axis PSI



We have tested months of QUV Sun exposures, the closest approximation to sunlight. We have used outside labs to test the effects of extended temperatures and UV exposures.

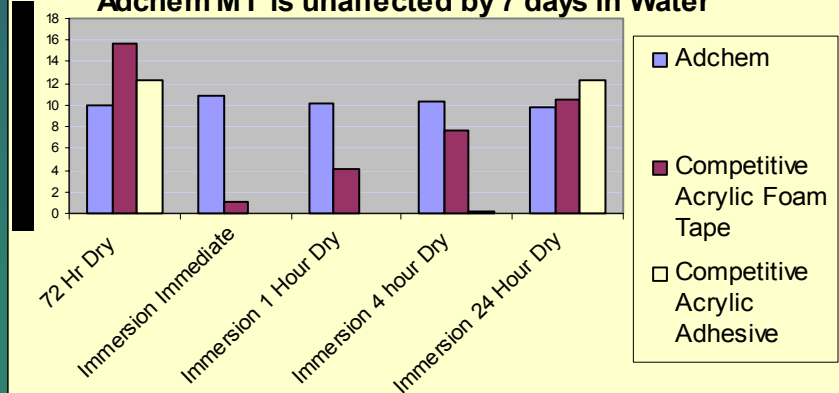
Adchem has Eliminated Liquid

Silane Pretreatments!

The results tell the story.

This is a superior product !

Peel Values 7 Day Water Immersion
Adchem MT is unaffected by 7 days in Water



SDL Muntin Bar Acrylic Adhesive MT Series

DESCRIPTION: A cross-linked closed-cell polyethylene foam coated both sides with a high performance acrylic adhesive system developed specifically for muntin bar application that **does not require** isopropyl/silane pre-treatment for adhesion to glass or ceramic surfaces.

MTLG 190: 1/32" thick, light gray closed cell polyethylene foam, 74 lb bleached paper liner.

MTCH 190: 1/32" thick, charcoal closed cell polyethylene foam, 74 lb bleached paper liner.

MTB 190: 1/32" thick, black closed cell polyethylene foam, 74 lb bleached paper liner.

MTB 290: 1/16" thick, black closed cell polyethylene foam, 74 lb bleached paper liner.

Other thickness foams and special colors are available on special request

PRIMARY USE: Provide for long term indoor and outdoor bonding of glass and ceramics, primed and painted, aluminum, primed and unprimed wood, 70% Kynar coated aluminum, vinyl and plastic muntin bars. No silane enhanced pre-wash is required. Safe for use with "self-cleaning" and "easier-to-clean" glass products.

Specific resistance to air, water, detergents, moisture, light and dust penetration. Compliant foam fills any irregularities, provides cushioning, absorbs vibration and shock, and allows for expansion and contraction due to temperature and pressure variations. Request Data Sheet for specific testing and performance data.



Adchem Corporation is an ISO 9001 2000 certified adhesive tape engineering and manufacturing company. We have been an industry leader in eliminating the use of hazardous and toxic liquid adhesives and adhesion promoters for over 38 years. Our new 200,000 square foot manufacturing and research facilities are located in Riverhead NY.

*Adchem*TM

the adhesive tape engineers

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