



Window Films

Impact Protection Adhesive



3M™ Impact Protection Adhesive improves the overall performance of 3M Safety and Security Window Films. This unique window protection system combines the toughness of 3M's patented micro-layer safety film with 3M's world-class expertise in adhesives to help shield against impact energy from severe weather, earthquakes, bomb blasts or forced entry events. The 3M Impact Protection System also helps protect against personal injury from flying glass.

3M Impact Protection Adhesive Benefits:

- Greater tear strength, elongation and tensile strength than Dow Corning® 995 Silicone Structural Sealant
- Reduced cure time provides more immediate protection
- Reduced odor in your home or office compared to other sealant options



Protecting People and Property with 3M™ Impact Protection System

Property	Test Method Used	Units	Dow 995*	3M IPA
Curing Time (25°C (77°F), 50% RH)		days	7–14	3-7
Full Adhesion		days	14–21	7-14
Tack-Free Time (25°C (77°F), 50% RH)	ASTM D5895	minutes	65	21
Flow, Sag or Slump		inches	0.1	0
Working Time (25°C (77°F), 50% RH)		minutes	10–20	10–20
Specific Gravity		n/a	1.339	1.403
VOC content		g/L	30	16
As Cured — After 21 Days at 25°C (77°F), 50% RH				
Ultimate Tensile Strength	ASTM D0412	psi (Mpa)	350 (2.41)	380 (2.62)
Ultimate Elongation	ASTM D0412	%	525	640
Durometer Hardness, Shore A	ASTM D2240	points	40	38–39
Tear Strength, Die B	ASTM D0624	ppi	49	72

*Data supplied from www.dowcorning.com



Building and Commercial Services Division

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