

# Protecting people and property with 3M™ Impact Protection Attachment Systems.

## 3M™ Impact Protection Attachment (IPA) Sealant

3M™ Safety & Security Impact Protection Attachment (IPA) Sealant improves the overall performance of 3M™ Safety and Security Window Films. This window protection system combines the toughness of 3M Safety and Security Window Film with an edge retention system to help shield against impact from a variety of sources including bomb blasts and forced entry events. The 3M Impact Protection Attachment Sealant also helps protect against personal injury from flying glass.



Property	Test Method Used	Units	3M IPA
Curing Time at 25°C (77°F), 50% RH		days	< 14
Full Adhesion	ASTM C 679	days	> 14
Tack-Free Time at 25°C (77°F), 50% RH	ASTM C 639	minutes	60–70
Flow, Sag or Slump		inches	0.1
Working Time at 25°C (77°F), 50% RH		minutes	10–20
Specific Gravity		n/a	1.40
VOC Content		g/L	30
<b>As Cured — After 21 Days at 25°C (77°F), 50% RH</b>			
Tensile Strength at 50%	ASTM C 1135	psi	75
Joint Movement Capability	ASTM C 719	%	±50
<b>As Cured — After 21 days at 25°C (77°F), 50% RH and 4500 Hours of QUV ASTM G-53</b>			
Tensile Strength at 50%	ASTM C 1153	psi	78

### Benefits:

- ▶ Excellent tear, elongation and tensile strength
- ▶ Anchors the filmed glass to the window frame
- ▶ Enhances protection to help preserve the building envelope when the glass is shattered



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