



OUR
AEROSPACE
ADHESIVE
RANGE



Tensorgrip®
Adhesives That Outperform





OUR **AEROSPACE** ADHESIVE RANGE

WHAT SIZES OF **SENSORGRIP®** ARE AVAILABLE?



Aerosol Volume: 650ml / 14 oz

This convenient 650ml/14oz aerosol is perfect for small applications or for less-frequent users. Small, but sticks all the same!



Mini Volume: 7L

The Mini is portable, and great for tight spaces such as boat hulls. It contains more adhesive than aerosols so you'll be more efficient with fewer changeovers.



Large Volume: 22L

Our most popular adhesive container. The 22L canister: the perfect solution for production where ultimate portability is required, yet aerosols are too small.



Intermediate Volume: 108L

The 108L intermediate remains portable, but geared toward use in larger-scale production environments.



Jumbo Volume: 216L

The largest in our range, the 216L jumbo canister is suitable for the largest-scale production applications. Multi-user friendly.

THE NEW TENSOR LABELING SYSTEM

Choosing the product that is right for the job should never have to be a hassle, so we at Tensor have developed a new labeling system to help make your choosing of the correct adhesive as quick and easy as possible! Each of our aerosol, canister and intermediate labels have been color coded to fit specifically into the market of which they apply to most and now feature icons that depict which applications the adhesive is best suited for. The following applications are carried out to the greatest effect with our **AEROSPACE** range:



Seating



Ceilings/Headliners



Walls



Cabinets



Flooring



SUBSTRATE IDENTIFICATION

ICONS



Brick



Carpet



Carpet Tile



Concrete



Cork



Fabric



Fabric (Thick)



Fabric (Thin)



Fiberglass Infusion



Flexi-Ply



Foam



FRL



FRP/GRP



FRP Reefer Liners



High Gloss Laminate



Insulation



MDF



Metal/Aluminum Sheetting



Plasterboard



Plastics



Plywood



Polystyrene



Post Forming



PVC Pipe



Rubber/Vinyl



Standard Laminate



Synthetic Leather



Timber/Wood



Veneers



Wood Build-ups

PRODUCT PROPERTY

ICONS



Class-1 Fire Rating



Class-0 Fire Rating



Web Spray



Pebble Spray



Mist Spray



Snowflake Spray



California Compliant



Low VOC



Liquid Resistant



HAPs Free



CO-REZ™



ZERO-FLAM



OUR AEROSPACE ADHESIVE RANGE



KEY FEATURES
• Superior adhesion to a wide range of substrates.
• Rapid cure to meet the demands of high volume production.
• Excellent mechanical properties.
• High strength and modulus.
• High temperature stability.
• Excellent chemical resistance.
• Excellent electrical properties.
• Excellent UV stability.

APPLICATIONS
• RTM/Infusion Mold
• Spray Adhesive

PRODUCT INFORMATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
• A70 is a clear, non-toxic, and non-flammable adhesive.
• A70 is a high strength, high modulus adhesive.
• A70 is a high temperature stable adhesive.
• A70 is a high chemical resistant adhesive.
• A70 is a high electrical resistant adhesive.
• A70 is a high UV stable adhesive.

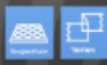
SAFETY INFORMATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
• A70 is a clear, non-toxic, and non-flammable adhesive.
• A70 is a high strength, high modulus adhesive.
• A70 is a high temperature stable adhesive.
• A70 is a high chemical resistant adhesive.
• A70 is a high electrical resistant adhesive.
• A70 is a high UV stable adhesive.

CONTACT INFORMATION
• **3M**
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• **St. Paul, MN 55144**
• **USA**
• **Phone: 651-733-3000**
• **Fax: 651-733-3001**
• **www.3m.com**

A70 INFUSION
MOLDING ADHESIVE

Tensorgrip

SIZE: LARGE 22L
COLOR: CLEAR



SAFETY INFORMATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
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• A70 is a high electrical resistant adhesive.
• A70 is a high UV stable adhesive.

ENVIRONMENTAL INFORMATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
• A70 is a clear, non-toxic, and non-flammable adhesive.
• A70 is a high strength, high modulus adhesive.
• A70 is a high temperature stable adhesive.
• A70 is a high chemical resistant adhesive.
• A70 is a high electrical resistant adhesive.
• A70 is a high UV stable adhesive.

REGULATORY INFORMATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
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• A70 is a high strength, high modulus adhesive.
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• A70 is a high chemical resistant adhesive.
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• A70 is a high UV stable adhesive.

CLASSIFICATION
• A70 is a two-component adhesive system consisting of a resin and a hardener.
• A70 is a clear, non-toxic, and non-flammable adhesive.
• A70 is a high strength, high modulus adhesive.
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• A70 is a high chemical resistant adhesive.
• A70 is a high electrical resistant adhesive.
• A70 is a high UV stable adhesive.

RECOMMENDED STORAGE
• A70 is a two-component adhesive system consisting of a resin and a hardener.
• A70 is a clear, non-toxic, and non-flammable adhesive.
• A70 is a high strength, high modulus adhesive.
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A70

RTM/Infusion Mold
Spray Adhesive



TensorGrip® A70 is a **HIGH PERFORMANCE,** solvent-based polymer adhesive in a pressurized canister delivery system.

This exceptional adhesive is specifically designed to hold reinforcing fibers in place during the infusion process of the resin without affecting the surface finish or structural integrity. Most importantly, **TensorGrip® A70** does not interfere with the curing process of vinyl esters, polyesters or styrene resins and ultimately becomes part of the polymer matrix. The **A70** is a unique system to be used in the molding process and is designed specifically to overcome the problems normally associated with using other types of adhesives, such as bonding failure, resin blockage, surface defects in the finished product, etc. It can also be used as a general purpose adhesive for a wide range of applications.

Advantages:

- Used for Infusion/Vacuum Forming composites.
- Safely fuses laminating materials to structural core surfaces.
- Provides superior holding during forming process.
- Allows resin to obtain maximum tensile shear strength.
- Fine mist spray with green tracer for accuracy in application.
- Fast tack.
- HAPS Free (No chlorinated solvents)
- Does not interfere with cure process.

Substrates:



Fiberglass Infusion



Fabric (Thin)

Properties:



Mist Spray

Available in:





OUR AEROSPACE ADHESIVE RANGE



A40N

Thin Fabric Spray Adhesive



The Number One choice for bonding **ULTRA LEATHER.**

TensorGrip® A40N is a non-flammable spray contact adhesive formulated for bonding aircraft synthetic leather (i.e. ultra leather) and thin fabrics. Fine, consistent spray delivers a smooth, strong and impeccable bond to even the finest fabrics.

Advantages:

- Fine consistent spray.
- Over 220°F (105°C) temperature resistant.
- Non-flammable.
- 80% of final strength achieved immediately.
- OTC Compliant.
- Full strength achieved in 24 hours.
- Fast drying with long open time.
- No ODS (Ozone Depleting Substances).
- Qualifies for LEED®-NC & CI EQ Credit 4.4: laminating adhesives shall contain no urea formaldehyde resins.

Substrates:



Fabric (Thin)



Synthetic Leather

Properties:



Web Spray



Low VOC

Available in:





OUR AEROSPACE ADHESIVE RANGE

A20

Cross-linking Plasticizer Resistant Contact

TensorGrip® A20 is a revolutionary, high performance plasticizer resistant adhesive, specially formulated to bond many commonly used substrates found within the Aerospace industry. For use in high demanding areas where delamination of vinyl and interior fabrics is an industry wide issue.

Advantages:

- 100% resistant to delamination caused by plasticizer migration
- High temperature resistance – up to 160°C
- Repositionable while wet
- Super smooth web spray



Substrates:



Synthetic Leather



Fabric (Thin)



Tedlar



Veneers



High Gloss Laminate



Rubber/Vinyl

Properties:



Web Spray



Liquid Resistant

Available in:





A30

Aircraft Seat Foam & Fabric Adhesive

TensorGrip® A30 is a spray contact adhesive designed for aircraft seat fabrication. Its consistent spray coverage offers an aggressive, permanent bond to porous foam and thick fabric.

Advantages:

- Consistent Spray Coverage.
- High Temp Resistant.
- Contains no urea formaldehyde.
- Low VOC California compliant (SCAQMD Rule 1168 Compliant).
- Qualifies for LEED 3.2, 4.1 and 4.4.



Substrates:



Fabric (Thick)



Foam

Properties:



Web Spray

Available in:





OUR AEROSPACE ADHESIVE RANGE

A50

Thin Gloss Laminate Spray Adhesive

TensorGrip® A50 is a spray adhesive suitable for post-forming, developed specifically for procuring the smooth finish required for elegant, thin or high-gloss substrates.

Properties:

- Suitable for post-forming.
- Low profile adhesive, eliminating the issue of telegraphing.
- High heat resistance over 200°F/95°C.
- Low VOC California Compliant (SCAQMD Rule 1168 Compliant).
- HAPS free.
- No ODS (Ozone Depleting Substances).
- Qualifies for LEED®-NC & CI EQ Credit 3.2, 4.1 and 4.4.
- Contains no urea formaldehyde.
- OTC Compliant.



Substrates:



High Gloss Laminate Post Forming

Properties:

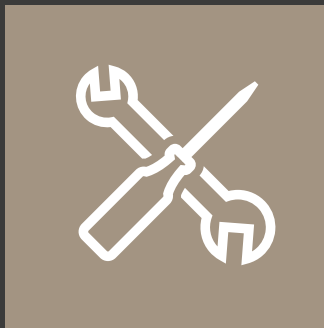


Mist Spray California Compliant HAPS Free

Available in:



TOOLS





OUR TOOLS RANGE



Guns

MI20 Adjustable Spray Gun

Heavy duty, built to last through steady industrial use. This is your go-to spray gun, compatible with all of our spray tips and suitable for every industry.

MI25 18" Wand Spray Gun

The fastest, easiest application of canister spray adhesives ever! Extend your reach, save your back and cut down on application time with a wide fan web spray. Suitable for most web spray products. Best for applications where bending over or reaching is required.



Hoses

MI40 Steel Braid Teflon Hose

The Teflon hose, encased in an industrial-strength steel braid, is designed specifically for our leading edge products. Especially those with our exclusive Zero-Flam technology.

Available Lengths:

- 12'
- 18'
- 25'

MI30 Flexible Rubber Hose

The standard rubber coated hose is designed for use in heavy industrial situations. Maintains excellent flexibility and durability even through rigorous daily use.

Available Lengths:

- 12'
- 18'
- 25'



Tensor

Adhesives That Outperform

\$245 value!!



The TensorGrip *ToolKit*

Everything you need to get started with Tensor. FREE at setup!



TensorGrip AeroTrigger



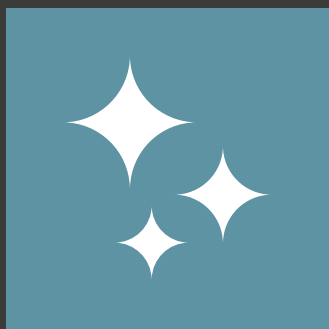
The TensorGrip® AeroTrigger: An aerosol spray gun designed for ease of use and ultimate efficiency. With the Aero Trigger, you only need to take two steps for perfect application – slip your gun onto the aerosol can and pull the trigger!

The TensorGrip® Aero Trigger eliminates Repetitive Strain Injury (RSI), allowing you to spray like a pro without the fear of a nasty injury.

Simple. Practical. TensorGrip®.



CLEANERS





OUR ADHESIVE CLEANER RANGE



S101

Citrus Cleaner Adhesive Remover

TensorGrip S101 is the king of cleaners. Unlike most solvent cleaners, S101 is safe for most surfaces, yet powerful enough to remove adhesives and other tough substances. Whether it's ink, tar, decal residue or many other unwanted materials, trust TensorGrip S101 to effortlessly remove them – all with the sweet scent of citrus.

TensorGrip S101 is packaged in aerosol cans and pressurized canisters to encompass two main goals: to eliminate the mess and worry of liquid solvents and for ease of purging canister adhesive application equipment (guns & hoses).

Advantages:

- Cleans hoses, spray guns and other adhesive equipment
- Safe for decal residue removal – even on powder-coated surfaces
- Exceptional cleaning/degreasing power
- Pleasant citrus scent
- Safer to use than most cleaners/adhesive removers
- Compatible with most plastics

Properties:



Available in:





S500

Industrial Wipe

TensorGrip® S500 is an industrial wipe unlike any other industrial wipe. It comes double sided with a rough side that can be used for cleaning up spills, messes and just general dirt. The other side though is soft enough that you can use it to clean your hands or wipe down your finished products...even glossy laminates! Each container comes with 75 large wipes to help keep your team clean around the clock.



Using Dual GleemTex Technology, TensorGrip® S500 guarantees to annihilate all common industrial stains, leaving you to get on with the jobs that matter.

TensorGrip® S500 takes care of:

TensorGrip® S500 Removes:

- Adhesive
- Sealant
- Paint
- Oil
- Grease
- Dirt
- And lots more!

Glue on your hands? Stay away from harmful acetone cleaners - S500 wipes are the safest solution to remove tough stains, even from your hands!



OUR AEROSPACE ADHESIVE RANGE

AEROSPACE PRODUCT MATRIX

	CANISTER	AEROSOL	KEY CHARACTERISTIC	GUN TYPE	HOSE	NOZZLE
A20	✓		100% Plasticizer resistant.	M120	M130	6501 - Standard 9501 - Wide M200 - Fine
A30	✓		Aircraft Seat Foam & Fabric Spray Adhesive	M120	M130	M200
A30N	✓		Non-Flam PS Adhesive	M120	M140	M200
A40N	✓		Thin Fabric Spray Adhesive	M120	M140	6501 - Standard 9501 - Wide
A50	✓		Thin Gloss Laminate Spray Adhesive	M120	M130	4001 - Standard 6501 - Wide
A70	✓	✓	RTM/Infusion Mold Spray Adhesive	M120	M130	M200



CLEANER	NORMAL CONDITIONS										CONDITIONS UNDER STRESS									
	Thin Fabrics	Thick Fabrics	Carpets	Fiberglass Infusion - Polyester	Fiberglass Infusion - Epoxy	Gloss Laminates	Foam	Synthetic Leathers	PVC-based Substrates	Vinyl Flooring	Thin Fabrics	Thick Fabrics	Carpets	Fiberglass Infusion - Polyester	Fiberglass Infusion - Epoxy	Gloss Laminates	Foam	Synthetic Leathers	PVC-based Substrates	Vinyl Flooring
S800 Equipment Cleaner	•								•	•	•						•	•	•	•
S101 Citrus Cleaner																				
S101 Citrus Cleaner		•	•				•													
S101 Citrus Cleaner	•							•												
S101 Citrus Cleaner						•									•					
S101 Citrus Cleaner				•	•									•	•					

Contact Us

Need more information? Have questions?
Get in touch with our adhesive enthusiasts
today. We're waiting for you to contact us!

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