

C O M P O S I T E S P R O D U C T
R A N G E

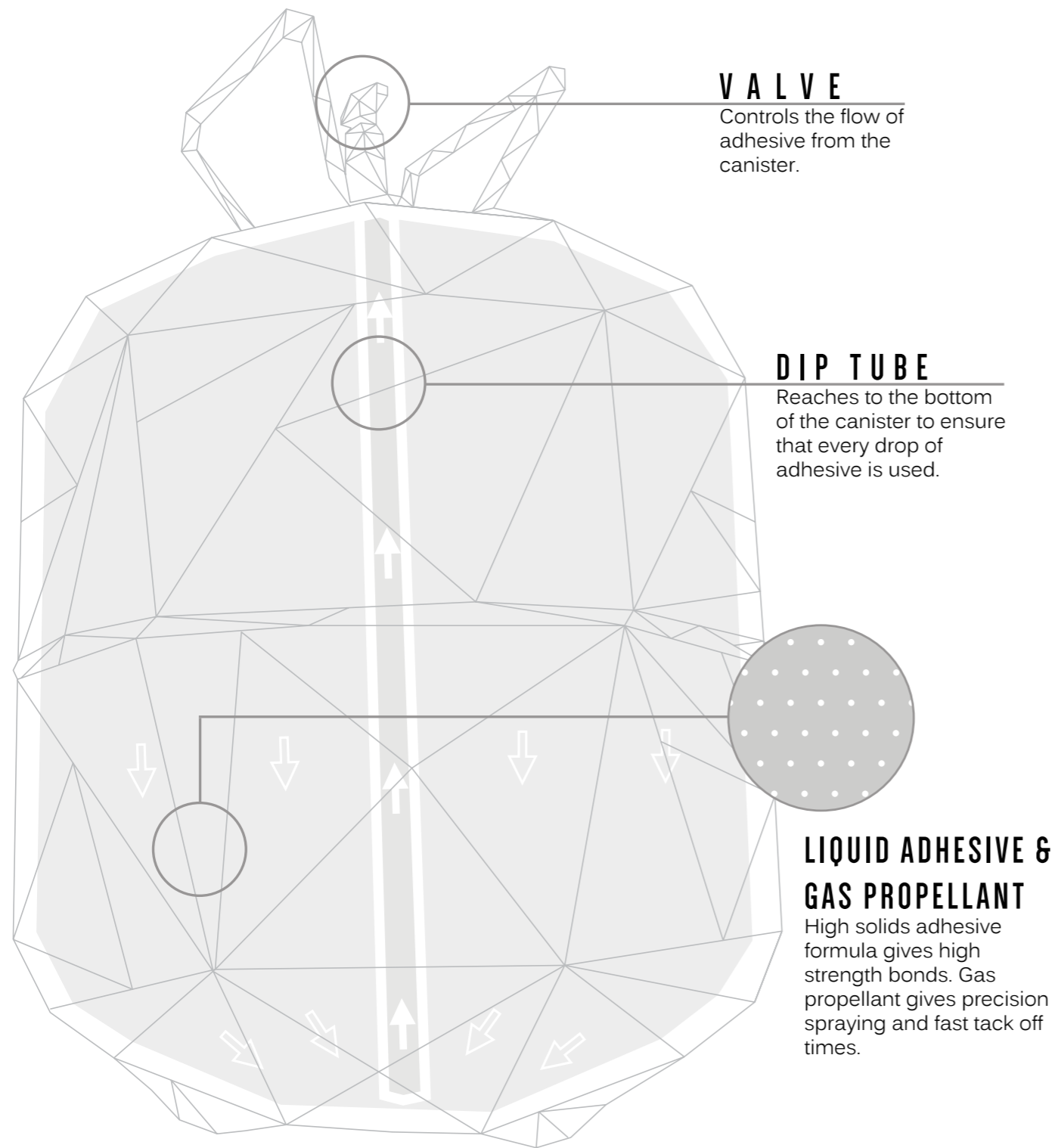




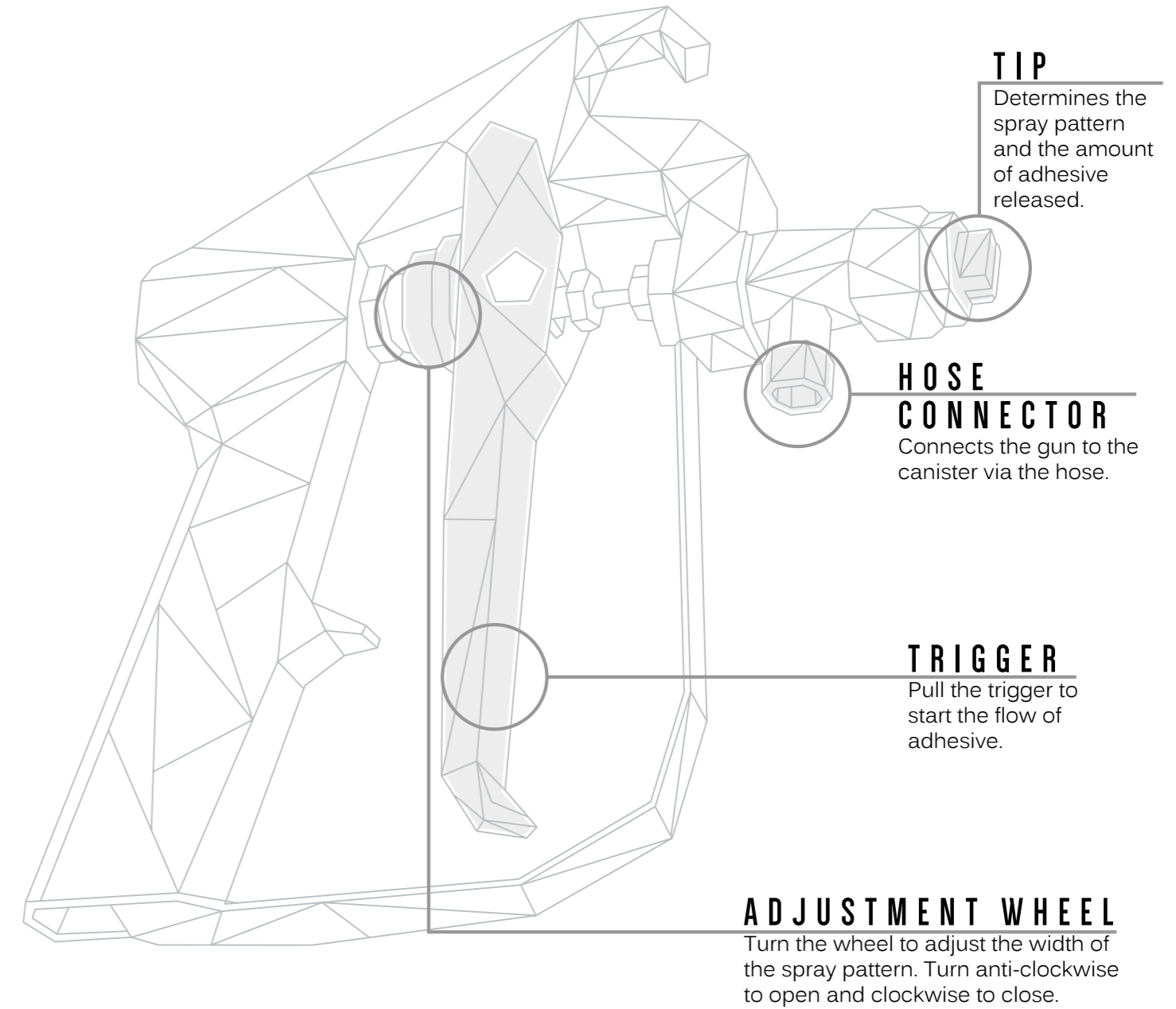
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THE CANISTER



THE GUN

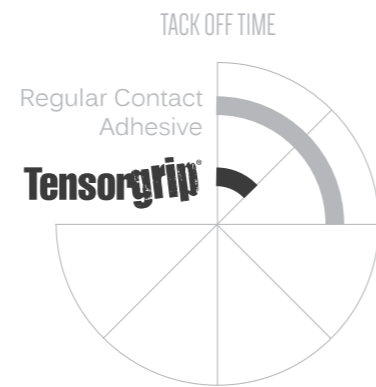


WHAT IS TENSORGRIP®?

TensorGrip is:

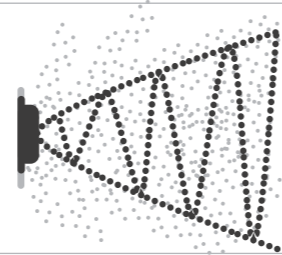
TensorGrip adhesives are packaged in canisters to harness the power of leading edge technology. This combined with fast acting, high grade adhesives can speed your production up in four ways:

1. Fast tack. Each adhesive is tack ready in 5-120 seconds.
2. High green strength. Bond strength can be noticed immediately.
3. No extra equipment. No air compressors, 20L drums or pot guns are required.
4. Minimal clean up and maintenance.

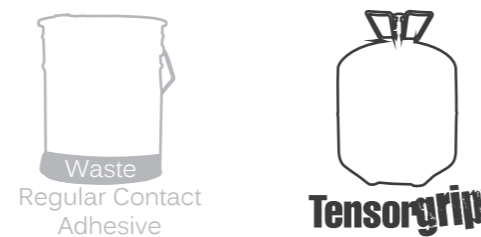


TensorGrip delivers 100% transfer. Because the system uses aerosol technology, all of the adhesive you spray reaches the substrate.

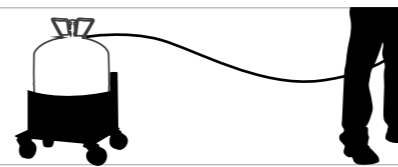
TensorGrip has a low solvent content. Once applied to your substrate, it evaporates immediately.



100% of the adhesive in a canister is used. There is no waste with TensorGrip.



TensorGrip has easily adjustable spray patterns to suit any application. It is portable for onsite jobs, fast to apply and easy to clean.



TensorGrip adhesives save you the hassle and expense of setup costs when you change your adhesive system.

Every first time purchase of a TensorGrip Canister comes with a free kick off kit that contains everything you need to get started using your adhesive right away.

The Kick off kit contains a gun and hose to connect to your canister, along with an adjustable spanner, laminate roller and spray manual so you can get the best performance from your TensorGrip adhesive.

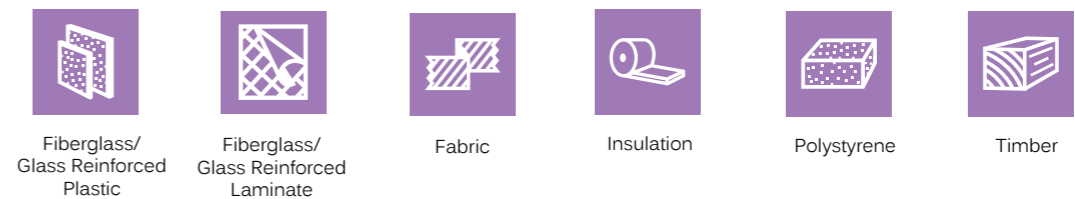


CHOOSING THE RIGHT ADHESIVE

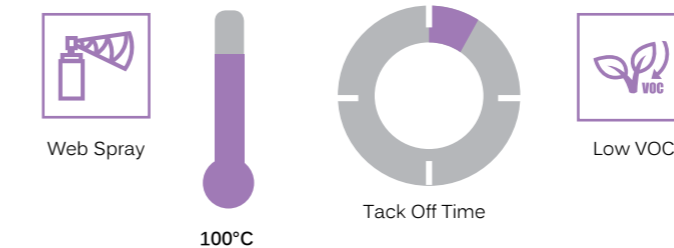
STEP 1 SELECT YOUR INDUSTRY



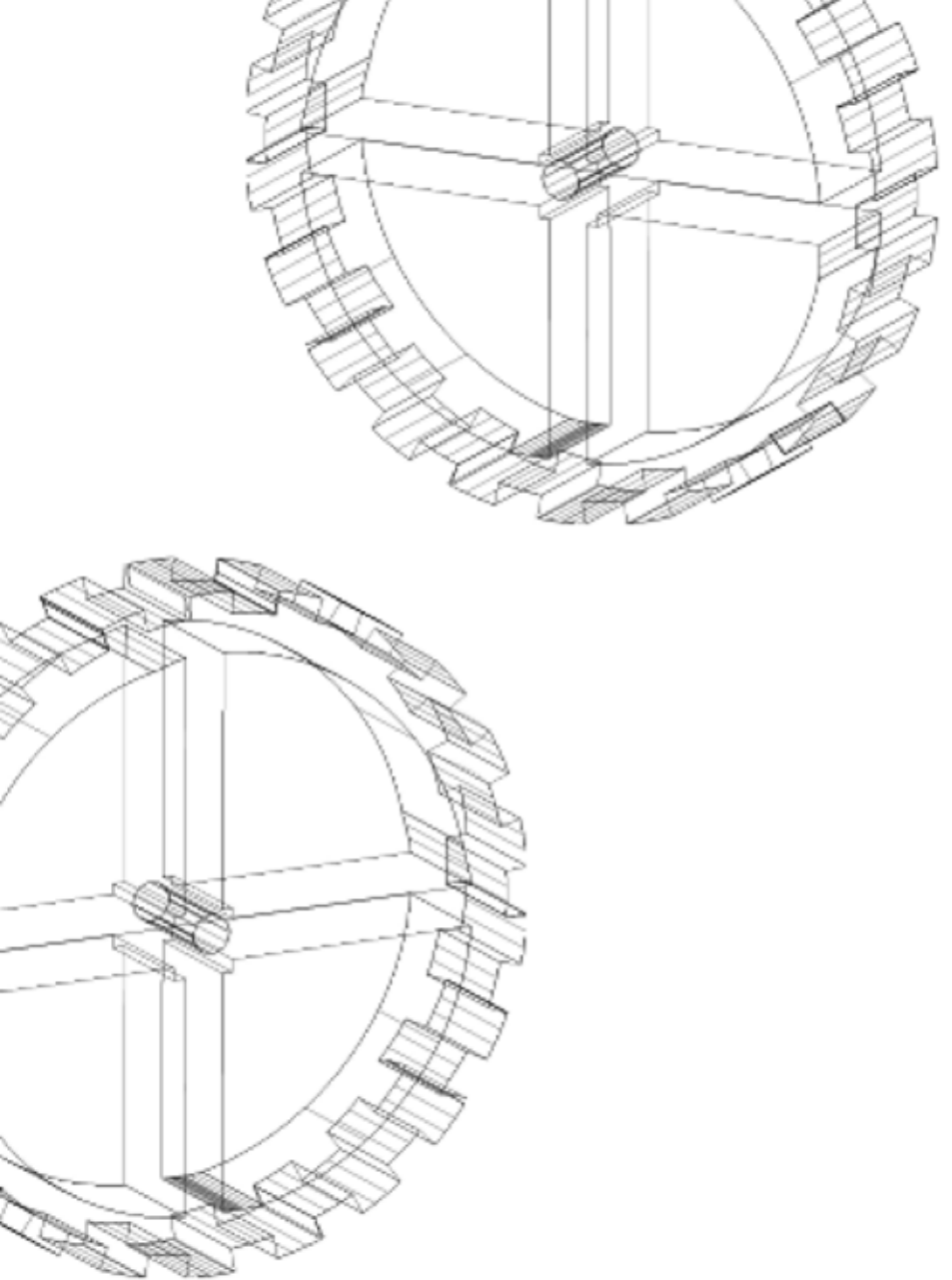
STEP 2 LOOK FOR YOUR SUBSTRATES IN THE SUBSTRATES LIST



STEP 3 CHECK FOR YOUR APPLICATION OR SIMILAR IN THE KEY APPLICATIONS AND FOR THE RIGHT PROPERTIES FOR YOUR JOB IN THE ADHESIVE DETAILS.

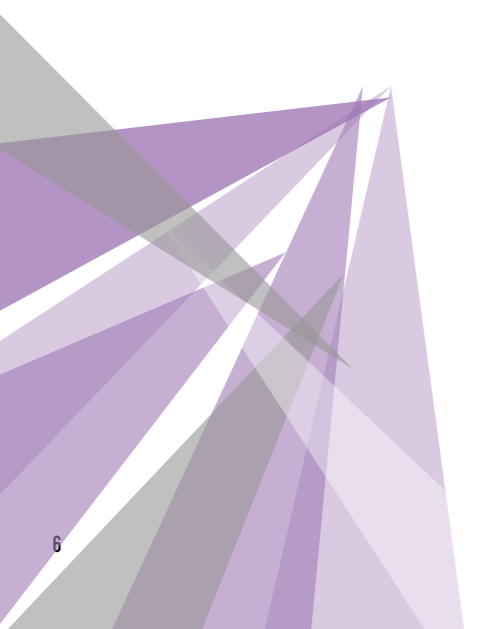
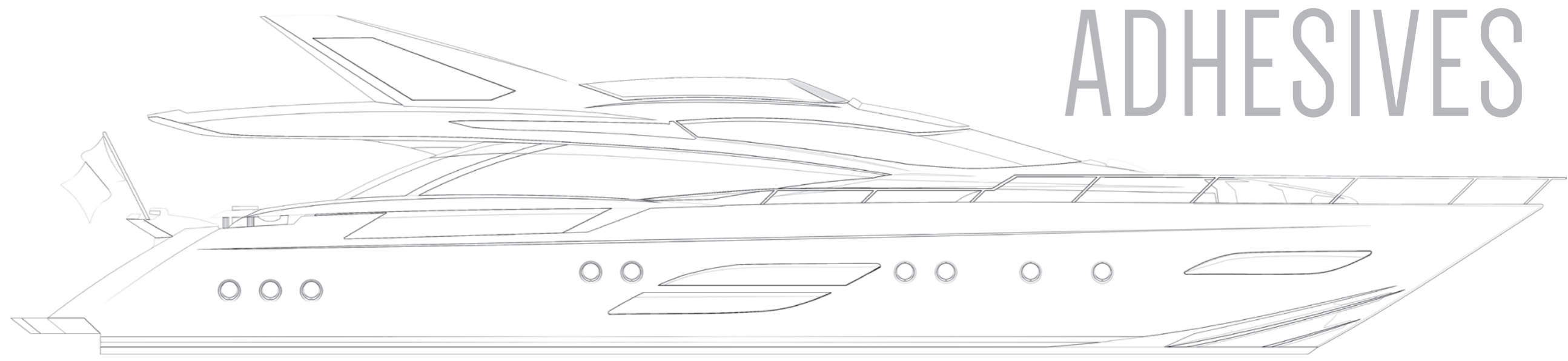


The product Matrix at the back of this brochure gives you a good overview of the jobs that each adhesive can perform.



ALUMINUM

ADHESIVES



TCIO MOULD DECK HIGH GRAB SPRAY ADHESIVE

TENSORGRIP® TCIO is a fast drying contact adhesive with good heat resistance. It is designed for bonding timber, metal or plastic to frames for infusion moulds.



TECH DATA

SUBSTRATES



Plywood



MDF



Bendy Board



Timber

ADVANTAGES

Fast Tack
Good Heat Resistance
Low Odour
High Initial Strength

TEMPERATURE RATING



85°C

KEY APPLICATIONS

- Building Timber Frames & Structures
- Wood Build-ups
- Bendy Board

NOT SUITABLE FOR: Polystyrene

PROPERTIES



Web Spray

COVERAGE



Aerosol
500 ml
7M²



Canister
22 Ltr
230M²



Jumbo
220 Ltr
2,300M²

TECH DATA

COLOUR



Clear



Green

TACK OFF TIME



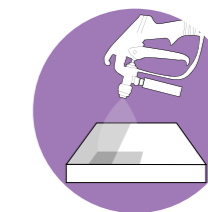
1-2 Minutes

OPEN TIME



1 Hour

ADHESIVE APPLICATION



Apply adhesive to both surfaces to be bonded.

TOOLS



Black Rubber
Hose



Professional Spray
Gun with Shaved
Leckler Tip

CLEANER



Tensorgrip
TCIO

Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

TC20 EPS PLUG BUILD FOAM ADHESIVE

TENSORGRIP® TC20

is a high performance, polyurethane foam adhesive. It is designed specifically to bond polystyrene to itself and timber and bridge gaps between polystyrene blocks. TC20 will foam on initial release to close gaps in polystyrene blocks but will not continue to expand after its initial release. TC20 can be used in conjunction with TC30 to build polystyrene moulds for infusion processes.



TECH DATA

SUBSTRATES



Insulation



Timber



Polystyrene

ADVANTAGES

Fast Tack
High Heat Resistance
High Solids

TEMPERATURE RATING



160°C

KEY APPLICATIONS

- Bonding Polystyrene to Rigid Surfaces
- Polystyrene Plug Builds

PROPERTIES



Bead Spray

COVERAGE



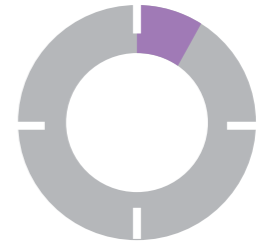
Canister
22 Ltr
230M²

TECH DATA

COLOUR

○ White

OPEN TIME



5-7 Minutes

ADHESIVE APPLICATION



Apply strips of adhesive approx. 10-20 cm apart to one substrate.

TOOLS



Black Rubber
Hose



Bead Gun

CLEANER

Wipe with wet cloth when wet.
Use blunt instrument when dry.

Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

TC30 EPS PLUG BUILD CONTACT ADHESIVE

TENSORGRIP® TC30
Is an immediate grab adhesive for bonding polystyrene to itself or timber frames. It has fast grab and High tack for fast building of polystyrene moulds.



TECH DATA

SUBSTRATES



Timber



Insulation



Polystyrene

ADVANTAGES

Fast Tack
Good Heat Resistance
Low Odour
High Initial Strength

TEMPERATURE RATING



85°C

KEY APPLICATIONS

- Polystyrene to Polystyrene
- Polystyrene and Insulation to Timber surfaces

PROPERTIES



Web Spray

COVERAGE



Canister
22 Ltr
230M²



Jumbo
220 Ltr
2,300M²

COLOUR

Clear

Green

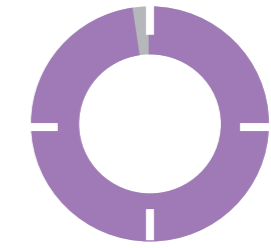
TECH DATA

TACK OFF TIME



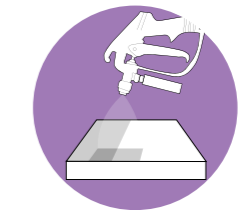
5 Minutes

OPEN TIME



2 Hours

ADHESIVE APPLICATION



Apply adhesive to both surfaces to be bonded.

TOOLS



Black Rubber Hose



Professional Spray Gun with 6501 Tip

CLEANER



Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.



INFORMATION = ATN
ADHESIVES

TC42 SUPER STRENGTH INFUSION RTM ADHESIVE

TENSORGRIP® TC42 is specifically designed to hold reinforcing fibres in place during the infusion process without affecting the surface finish or structural integrity. TensorGrip® TC42 will dissolve into polyester, styrene and vinyl ester resins without leaving any residue. This adhesive has also been successfully tested with epoxy resins using a standard application of 9 grams or less per sqm.



TECH DATA

SUBSTRATES



Fiberglass/
Glass Reinforced
Plastic



Fiberglass
Infusion



Thin Fabric



Thick Fabric

ADVANTAGES

Fast Tack
Good Heat Resistance
Low Odour
High Initial Strength
100% Compatible with Vinylester, Polyester & Styreneester Resin.
Toulene Free

KEY APPLICATIONS

- Bonding fabric layers during Infusion
- Ideal when adhesive is required to dissipate completely into resin

NOT SUITABLE FOR: Polystyrene

PROPERTIES



Mist Spray

COVERAGE



Aerosol
500 ml
7M²



Canister
22 Ltr
440M²

COLOUR

○ Clear ● Green

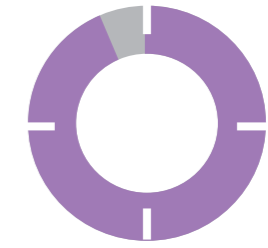
TECH DATA

TACK OFF TIME



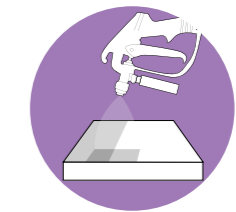
1-2 Minutes

OPEN TIME



1 Hour

ADHESIVE APPLICATION



Apply adhesive to one surface.

TOOLS



Black Rubber
Hose



Professional Spray
Gun with 8002 Tip

CLEANER



Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

TC43 SUPERWEB INFUSION SPRAY ADHESIVE

TENSORGRIP® TC43 is a super tacky, adhesive specially designed for heavy mats and deep crevice applications. If you have a problem with heavy mats and hull infusion in and around the bow area, TensorGrip® TC43 is your answer!



TECH DATA

SUBSTRATES



Fiberglass/
Glass Reinforced
Plastic



Fiberglass
Infusion



Thin Fabric



Thick Fabric

ADVANTAGES

Fast Tack
Good Heat Resistance
Low Odour
Very High Initial Strength
Toulene Free

KEY APPLICATIONS

- Bonding heavy fabric layers during Infusion

PROPERTIES



Web Spray

COVERAGE



Aerosol
500 ml
7M²



Canister
22 Ltr
540M²

COLOUR

○ Clear ● Green

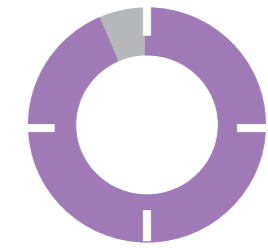
TECH DATA

TACK OFF TIME



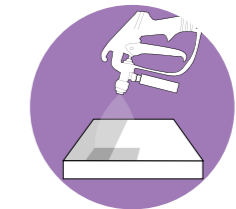
1-2 Minutes

OPEN TIME



1 Hour

ADHESIVE APPLICATION



Apply adhesive to one surface.

TOOLS



Black Rubber
Hose



Professional Spray
Gun with 6501 Tip

CLEANER



Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

TC48 FINE MIST INFUSION ADHESIVE

TENSORGRIP® TC48 is a super fine mist spray adhesive designed for the infusion mould market. It is specifically designed to hold carbon fiber reinforcing fibres in place during the infusion process without affecting the surface finish or structural integrity. TensorGrip® TC48 is compatible with polyester, styrene and vinyl ester resins and been successfully tested with epoxy resins using a standard application of 9 grams or less per sqm. It is particularly effective with high quality carbon fiber finishes.



TECH DATA

SUBSTRATES



Carbon Fiber Infusion



Thin Fabric

ADVANTAGES

Fast Tack
Low Odour
Fine Mist Spray
Repositionable
Easier De-moulding
Minimal Overspray
Uses Less Adhesive
Toulene Free

KEY APPLICATIONS

- Bonding fabric layers during Infusion
- For use with high quality carbon fiber finishes

NOT SUITABLE FOR: Polystyrene or Plasticised Vinyl

PROPERTIES



Fine Mist Spray

COVERAGE



Aerosol
500 ml
14M²



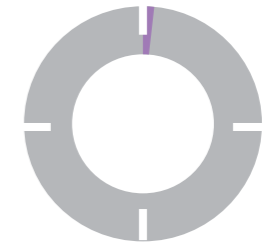
Canister
13 Ltr
440M²

COLOUR

○ Clear

TECH DATA

TACK OFF TIME



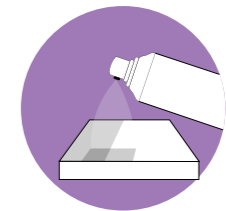
Immediate

OPEN TIME



15 Minutes

ADHESIVE APPLICATION



Apply adhesive to one surface.

TOOLS



Black Rubber Hose



Professional Spray Gun with 4002 Tip

CLEANER



Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

TC50 EPOXY INFUSION RTM SPRAY ADHESIVE



TENSORGRIP® TC50 is a high tack, fast dry mist spray adhesive. TC50 is designed specifically to hold carbon fabrics in place during the infusion process for epoxy resins. It can be used in both single and double sided applications. TC50 incorporates completely into the epoxy resin matrix to ensure no trace is left behind in the finished product.

TECH DATA

SUBSTRATES



Fiberglass/
Glass Reinforced
Plastic



Fiberglass
Infusion



Thin Fabric



Thick Fabric

ADVANTAGES

Fast Tack
Very High Initial Strength
High Solids
Toulene Free

KEY APPLICATIONS

- Bonding fabric layers during the epoxy resin Infusion process
- Suitable for use with high temp, two stage infusion processes

PROPERTIES



Mist Spray

COVERAGE



Mini X Canister
13 Ltr
450M²

COLOUR

○ Clear

CURING TEMPERATURE



60°C

TECH DATA

TACK OFF TIME



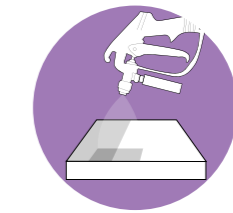
1-2 Minutes

OPEN TIME



5-10 Minutes

ADHESIVE APPLICATION



Apply adhesive to one surface.

TOOLS



Black Rubber
Hose



Professional Spray
Gun with 4002 Tip

CLEANER



Open times and dry times may vary depending on weather conditions and humidity. Consult TDS for more information.

PRODUCT MATRIX

	Styrene Ester	Vinylester	Polyester	Epoxy	Phenolic	Peel Ply Glass Mat (Thin Fabrics)	Standard Mat (Fabric)	Heavy Glass Mat (Fabric)	Mould Deck Sub Base Buildups	Polystyrene to Plywood	Polystyrene to Polystyrene	Balsa Wood Core	PU Foam Core	PET Foam Core
TC10									•					
TC20										•	•			
TC30										•	•			
TC42	•	•	•	•	•	•	•					•	•	•
TC43	•	•	•	•				•				•	•	•
TC48	•	•	•	•	•	•	•					•	•	•
TC50				•										



HOW2

TUTORIAL SERIES

WATCH OUR ADHESIVE EXPERTS DEMONSTRATE STEP-BY-STEP HOW TO USE TENSORGRIP® ADHESIVES IN OUR ONLINE TUTORIAL SERIES!





The TensorGrip TC range is specially designed for the composite industry.

TensorGrip has low solids so less adhesive is required.

TensorGrip dissipates completely into most resins, providing a superior composite finish.



**Tensor[®] AERO
TRIGGER**
EASIER | SIMPLER | BETTER

QUIN : ADHESIVE
GLOBAL INNOVATORS

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