



A product of
QUIN : ADHESIVE
GLOBAL INNOVATORS

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COMPOSITE ADHESIVES

Tensorgrip[®]
ADHESIVES THAT OUTPERFORM

WHAT IS TENSORGRIP®?

As far as spray adhesives are concerned, no other product can compare to the strength, tenacity and reliability of **TensorGrip®**. Available in canister systems as well as 500ml aerosols tins, **TensorGrip's** innovative formula breaks down barriers presented by traditional bonding methods with effortless ease.

Our adhesive systems eliminate the need to use traditional methods of bonding, that are messy, wasteful and time-consuming. Because **TensorGrip®** is a spray adhesive you are completely in control of the dispersal of glue, resulting in an even spray pattern the way you want it without the fuss and inconsistency that comes with using hand-applied adhesive.

Our revolutionary adhesive formulas have been proven to almost completely remove the time spent waiting for glue to tack; where traditionally you would be waiting for 25 minutes, **TensorGrip®** can tack off in as little as one minute.

Not only will **TensorGrip®** speed up your workflow and drastically reduce production time, it is guaranteed to transform the way in which materials are bonded together with noticeably superior results.





THE COMPOSITE RANGE

Designed to specification; engineered to OUTPERFORM. Through identifying the needs of the Composites industry, the Research & Development team at **Quin Global** have developed a groundbreaking range of adhesives purposely formulated for exact applications.

It is with precision in mind that we have split our Composite Adhesive range into two categories:

PLUG BUILD

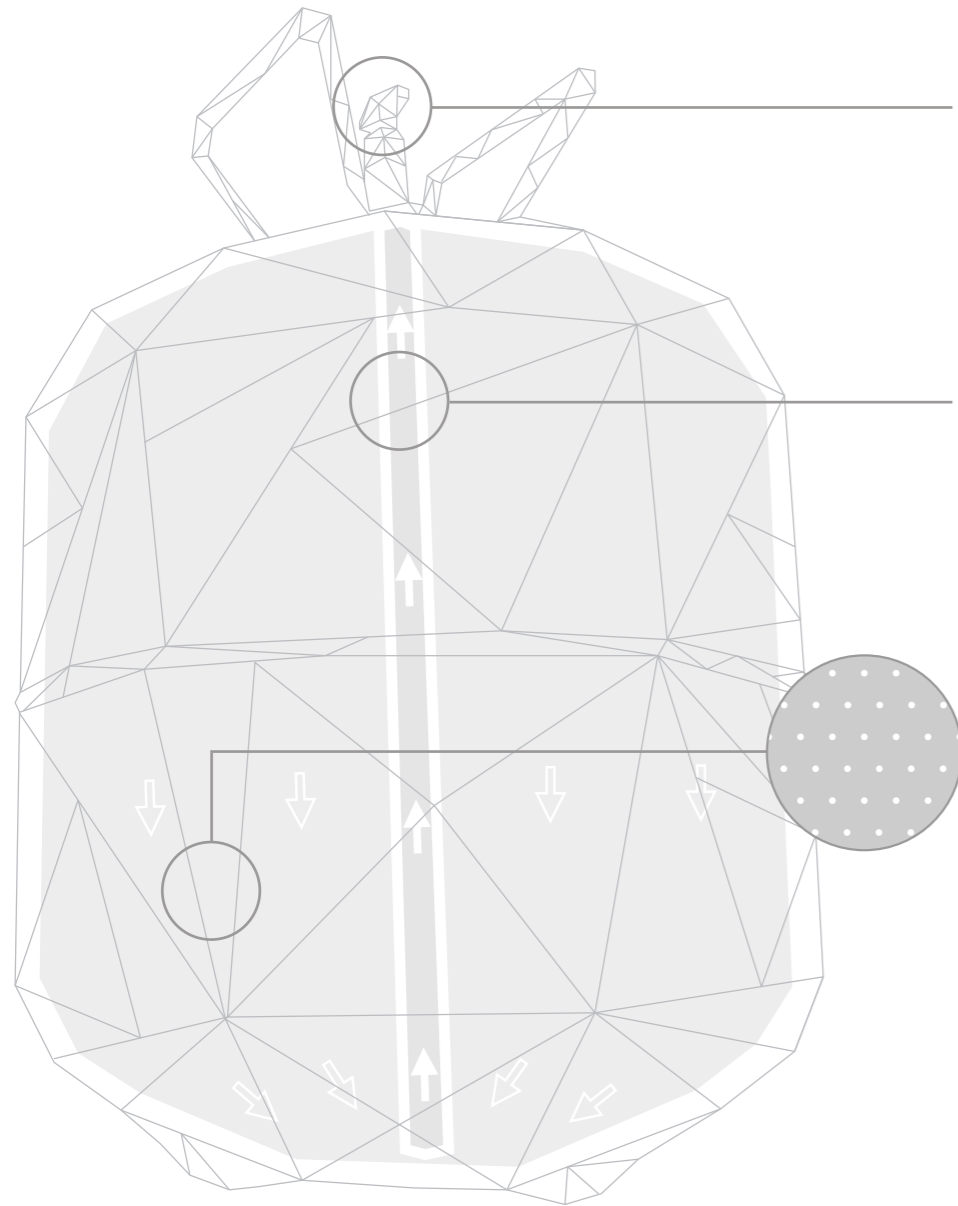
Our Plug Build series of adhesives are designed for each stage of the plug building process, from bonding polystyrene and plywood to finishing a polystyrene mould.

INFUSION

Tested and proven in all aspects of RTM Vacuum Infusion, this range of adhesive systems redefines speed and accuracy.



THE SYSTEM

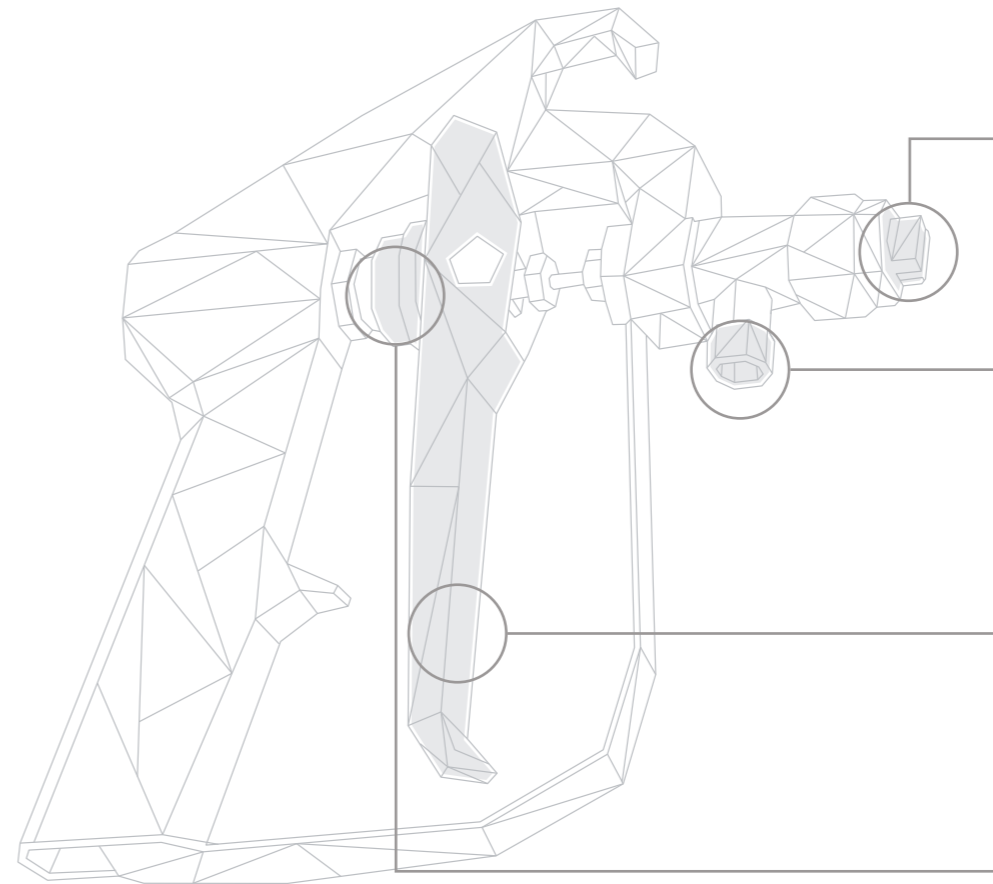


VALVE
Controls the flow of adhesive from the canister.

DIP TUBE
Reaches to the bottom of the canister to ensure that every drop of adhesive is used.

ADHESIVE & GAS MIXTURE
Engineered with care and precision with intent to be the very best in the world. Pressurised gas is designed to propel the adhesive out of the system.

THE GUN



NOZZLE
Changeable nozzles designed to optimise spraying performance - subject to adhesive type.

HOSE CONNECTION
The attachment point to connect the gun to the canister via the hose.

TRIGGER
Pull the trigger and out comes the adhesive. Simple!

ADJUSTMENT WHEEL
Use this to control the flow of adhesive dispersed from the gun; turn anti-clockwise to open and clockwise to close.

SYSTEM VOLUMES

No two workshops are the same and project requirements will vary. So whether it's a small-scale application or high-end industrial manufacturing, we have designed the system that is right for you.



AEROSOL

This convenient 500ml aerosol is perfect for small applications or for less-frequent users. Small but sticks all the same!

Volume: 500ml
Size: 65mm x 238mm
Weight*: Up to 0.600kg



CANISTER

Our most popular adhesive container; comes equipped with a gun and hose system for fast and accurate dispersal. A long-lasting and cost-effective solution available in a 13 or 22 litre canister.

Volume: 13 / 22ltr
Size: 310mm x 450mm
Weight*: Up to 23kg

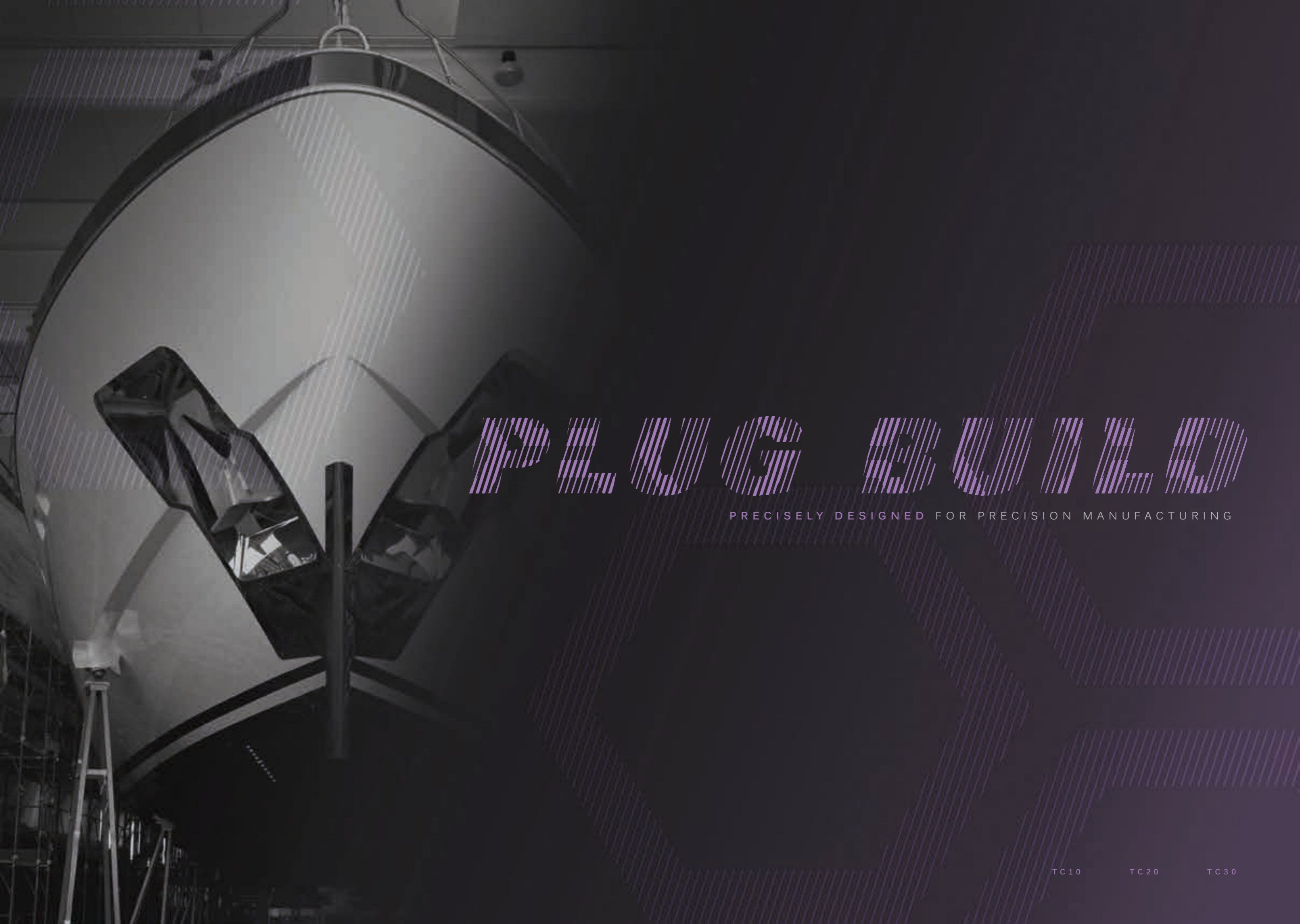


INTERMEDIATE

The largest in our range, suitable mostly for use in large-scale production environments.

Volume: 110ltr
Size: 380mm x 1258mm
Weight*: Up to 125kg

*please refer to technical data sheet for product specific weight



PLUG BUILT

PRECISELY DESIGNED FOR PRECISION MANUFACTURING

TC10

TC20

TC30



TC10

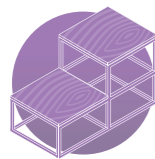
MOULD DECK
HIGH GRAB SPRAY
ADHESIVE

TensorGrip® TC10 is a fast drying contact adhesive with good heat resistance. It is designed to create fast bonds between plywood sheets for mould deck substrate work. TC10 will eliminate long and time consuming bonding methods like PVA and use of mechanical fixings.

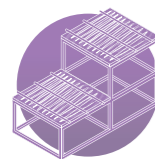
ADVANTAGES

- Incredible grab.
- Good heat resistance.
- High solids.
- Easy application control.
- Versatile.
- Economic.

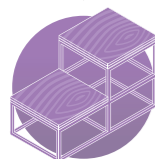
USING TC10*



Clear the plywood surface of dust and debris to ensure it is ready for bonding.



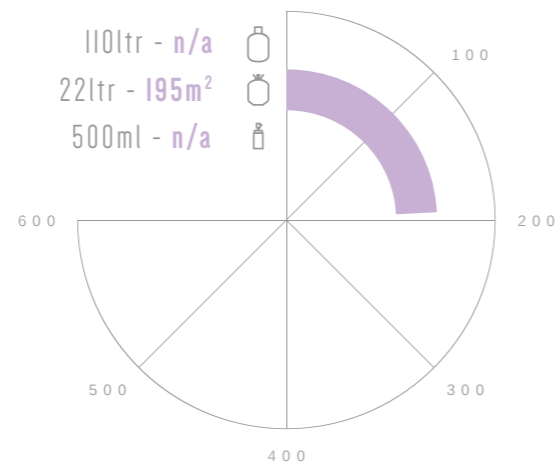
Spray an even coat of TC10 onto both surfaces and place TensorGrip® Bonding Sticks on top.



Add another sheet of plywood on top of the Bonding Sticks then remove the sticks.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



2 Sided

(2 sided application will result in 50% total coverage)

OPEN TIME**:



60 minutes

SUITABLE FOR:



Timber



MDF

PROPERTIES:



Web Spray

COLOUR:

Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



TC20

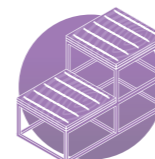
EPS PLUG BUILD
FOAM ADHESIVE

TensorGrip® TC20 is a high performance, polyurethane foam adhesive. The TC20 is developed to work in conjunction with the TC30 or as a stand-alone product. The bond strength and compatibility with polystyrene makes this product the perfect partner when bonding blocks of polystyrene together or to the sub-deck.

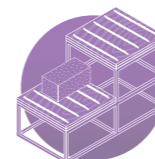
ADVANTAGES

- Fast, high tack.
- High solids.
- Polystyrene and EPS compatible.

USING TC20*



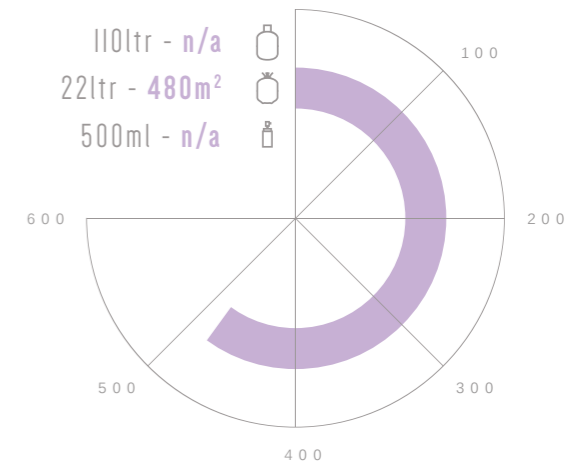
Apply lines of TC20 to plywood surface every 150 millimetres.



Place a large block of polystyrene onto the desired location.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 Sided

OPEN TIME**:



5-7 minutes

SUITABLE FOR:



Polystyrene



Timber

PROPERTIES:



Bead Spray

COLOUR:

Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



TC30

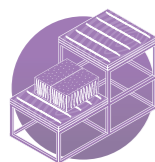
EPS PLUG BUILD CONTACT ADHESIVE

TensorGrip® TC30 is a high performance, pressure sensitive, polystyrene compatible adhesive. The TC30 can also be used alongside the TC20 or as a stand-alone product. The incredible tack and compatibility with polystyrene makes this product the perfect partner when bonding blocks of polystyrene together or to the sub-deck. If using this product in conjunction with TC20, it can be applied to the face ends of the large format blocks to give immediate bonding.

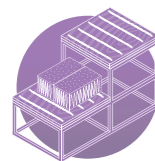
ADVANTAGES

- Fast, high tack.
- High solids.
- Polystyrene and EPS compatible.

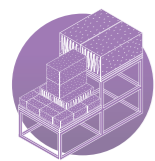
USING TC30*



Spray the sides of the polystyrene block.



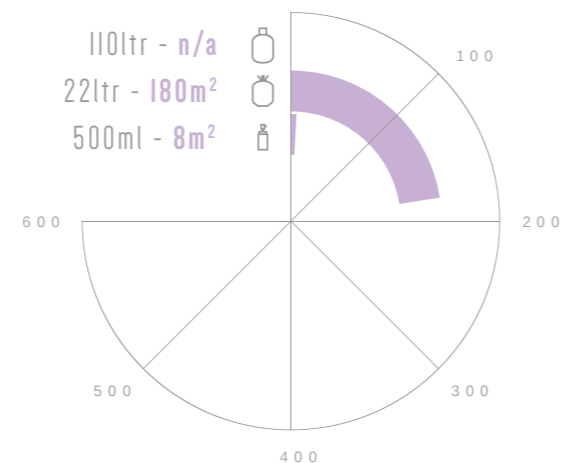
Slide another block with all sides coated in TC30 onto the surface.



Repeat for other blocks around the remainder of the structure.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



2 Sided

(2 sided application will result in 50% total coverage)

OPEN TIME**:



60 minutes

SUITABLE FOR:



Timber



Polystyrene



MDF



Web Spray

COLOUR:

Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



BUILDING A PLUG; THE TENSORGRIP® WAY

Watch our step-by-step guides on how to build a plug using TensorGrip® adhesive systems in our online tutorial series.



Subscribe to Tensor Global on Youtube for tutorials, product videos and more exclusive content.

TensorGrip®



HOW2

INFLUSSION

TAKE SPEED AND
ACCURACY TO THE
NEXT LEVEL

TC41

TC41 CO-REZ

TC42 CO-REZ

TC42

TC43

TC50



TC41

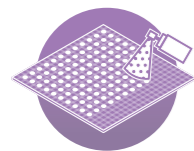
INFUSION RTM MOULD SPRAY ADHESIVE

TensorGrip® TC41 – designed for the Composite infusion mould market, this product is a high performance, solvent-based polymer adhesive in a pressurised canister delivery system. The TC41 is specifically designed to hold reinforcing fibres in place during the infusion process of the resin without affecting the surface finish or structural integrity.

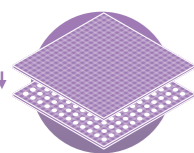
ADVANTAGES

- Used for Infusion/Vacuum Forming composites.
- Safely fuses laminating materials to structural core surfaces.
- Extra long open time.
- Provides superior holding during forming process.
- Allows resin to obtain maximum tensile shear strength.

USING TC41*



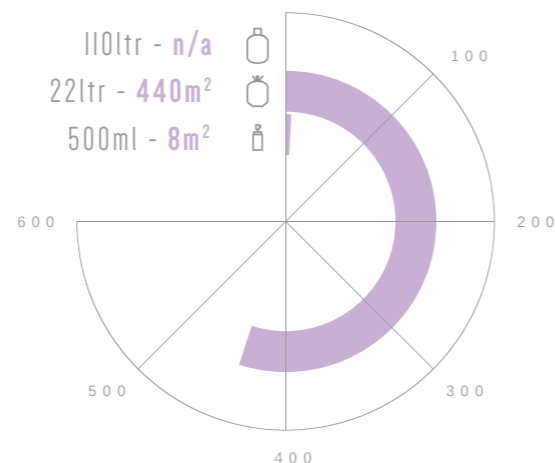
Spray one side of the fibreglass mat with TC41.



Bond another uncoated mat to the surface. This can be done immediately after spraying.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 or 2 sided

OPEN TIME**:



60 minutes

SUITABLE FOR:



Fibreglass Infusion



FRP/GRP



Thin Fabric



Thick Fabric

PROPERTIES:



Mist Spray

COLOUR:

Green

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



TC42

SUPER HS INFUSION RTM ADHESIVE

TensorGrip® TC42 – designed for the composite infusion mould market, this product is a high performance, solvent-based polymer adhesive in a pressurised canister delivery system. The TC42 is specifically designed to hold reinforcing fibres in place during the infusion process of the resin without affecting the surface finish or structural integrity.

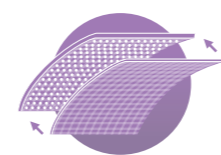
ADVANTAGES

- 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.

USING TC42*



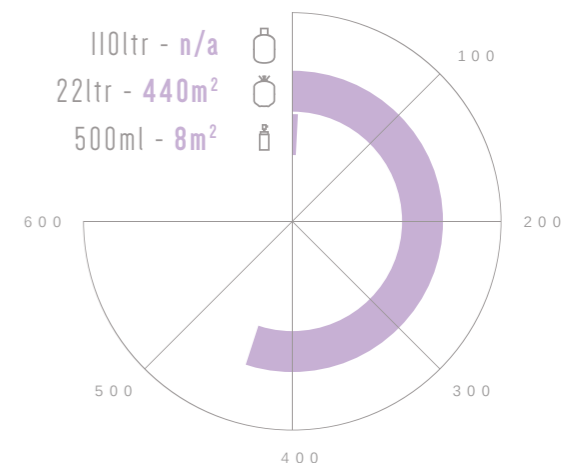
Use TC42 for coating overhead mats with adhesive.



Bond another uncoated mat to the surface. This can be done immediately after spraying.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 or 2 sided

OPEN TIME**:



15 minutes

SUITABLE FOR:



Fibreglass Infusion



FRP/GRP



Thin Fabric



Thick Fabric

PROPERTIES:



Mist Spray

COLOUR:

Green

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature

SUCCESSFULLY TESTED WITH
EPOXY RESINS



CO-REZ™


MORE GLUE

LESS GAS

CO-REZ Technology™ is an exceptional formulation development incorporating a highly engineered resin and gas matrix. The result; **MORE GLUE - LESS GAS.**

What this means is an increase of up to 15% extra coverage per unit coupled with a 2-3 kilogram decrease in weight per canister system. There is nothing else quite like it anywhere on the market!

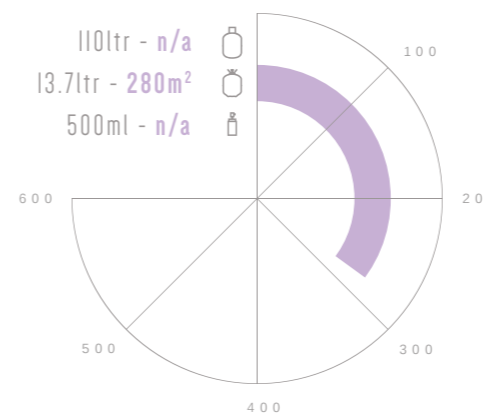
Combine this exciting new technology with the power of **TensorGrip®** and we can guarantee that **CO-REZ™** will revolutionise your manufacturing process.

Look for the  symbol to determine if your canister is a CO-REZ™ system.



TC41

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



OPEN TIME**:

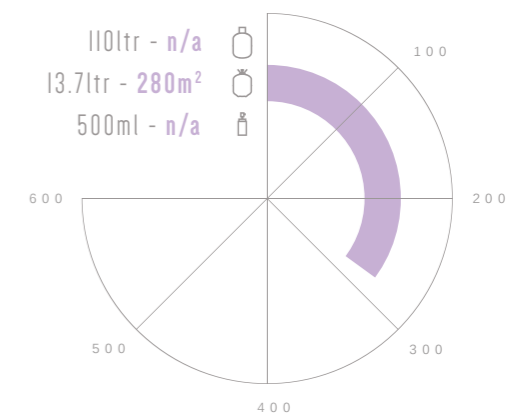


**depending on ambient temperature



TC42

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



OPEN TIME**:



**depending on ambient temperature



TC43

SUPERWEB INFUSION SPRAY ADHESIVE

TensorGrip® TC43 is a super tacky, heavy mat spray adhesive. Designed to give ultimate grab and performance with minimal adhesive application, for demanding and deep crevice applications. If you have a problem with the latest heavy mats and hull infusion in and around the bow area, the TC43 is the answer!

ADVANTAGES

- VOC FREE.
- No odour.
- Excellent green strength and good heat resistance.
- Good drying time with long open time.

USING TC43*



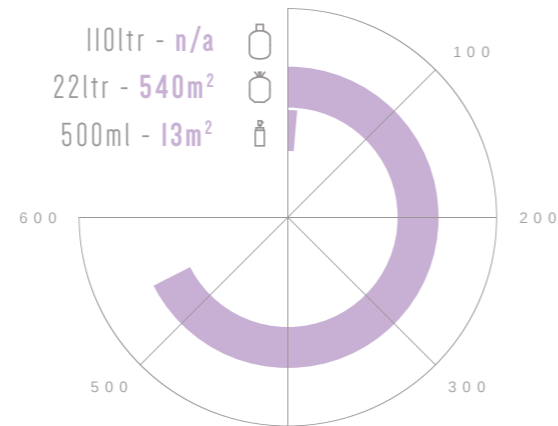
Use TC43 for coating overhead HEAVYWEIGHT mats with adhesive.



Bond another uncoated mat to the surface. This can be done immediately after spraying.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 or 2 sided

OPEN TIME**:



15 minutes

SUITABLE FOR:



Fibreglass Infusion



FRP/GRP



Thin Fabric



Thick Fabric

PROPERTIES:



Web Spray

COLOUR:

Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



TC48

SUPER FINE MIST INFUSION ADHESIVE

TensorGrip® TC48 is a super fine mist spray adhesive designed for the infusion mould market. This product is a high performance, solvent-based polymer adhesive in a pressurised canister delivery system. TensorGrip® TC48 is specifically designed to hold reinforcing fibres in place during the infusion process of the resin without affecting the surface finish or structural integrity. TC48 is compatible with polyester, styrene and vinyl ester resins and been successfully tested with epoxy resins using less than 9 grams of adhesive per sqm.

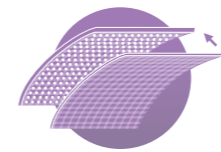
ADVANTAGES

- Used for Infusion/Vacuum Forming composites.
- Safely fuses laminating materials to structural core surfaces.
- Extra fine mist spray.
- Provides superior holding during forming process.
- Allows resin to obtain maximum tensile shear strength.
- Repositionable.

USING TC48*



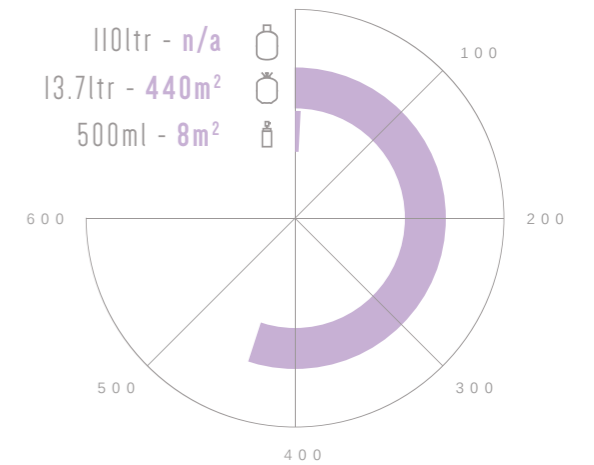
Use TC48 for coating overhead mats with adhesive.



Bond another uncoated mat to the surface. This can be done immediately after spraying.

TECHDATA

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 or 2 sided

OPEN TIME**:



5 - 10 minutes

SUITABLE FOR:



Thick Fabric



Thin Fabric



Fibreglass Infusion

PROPERTIES:



Mist Spray

COLOUR:

Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature



TC50

EPOXY INFUSION/RTM SPRAY ADHESIVE

TensorGrip® TC50 is a fast dry epoxy mist spray adhesive. TC50 is designed specifically to hold carbon fabrics in place during infusion processes. It should be used in both one sided and two sided applications.

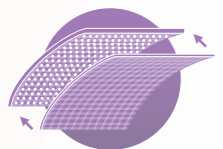
ADVANTAGES

- 100% compatible with epoxy infusion.
- Incredible grab.
- Good heat resistance.
- High solids.
- Easy application control.
- Versatile.
- Economic.

USING TC50*

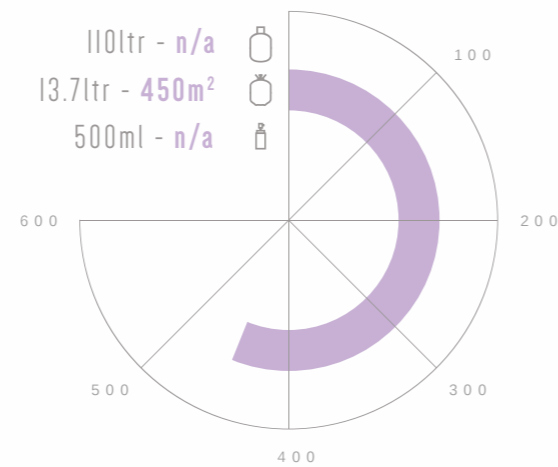


Use TC50 for coating overhead mats with adhesive.



Bond another uncoated mat to the surface. This can be done immediately after spraying.

SQUARE METRE COVERAGE (m²)



APPLICATION TYPE:



1 or 2 sided

OPEN TIME**:



5 - 10 minutes

SUITABLE FOR:

- Fibreglass Infusion
- FRP/GRP

PROPERTIES:

- Mist Spray

COLOUR:

- Clear

*consult the Spray Manual for a more detailed tutorial on the bonding process

**depending on ambient temperature

PRODUCT MATRIX

COMPOSITE RANGE

	Aerosol (500ml)	Canister (13.7ltr)	Canister (22ltr)	Intermediate (110ltr)	Gun	Hose	Nozzle	Cleaner	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		●			◇	○	⬠	c/s									●						
TC20		●			◆	⊗	⬠	s										●	●				
TC30		●			◇	○	⬠	c/s										●	●				
TC41	●	●			◇	○	⬠	c/s	●	●	●	●	●	●	●	●	●						
TC41*		●			◇	○	⬠	c/s	●	●	●	●	●	●	●	●	●						
TC42	●	●			◇	○	⬠	c/s	●	●	●	●	●	●	●	●	●				●	●	●
TC42*		●			◇	○	⬠	c/s	●	●	●	●	●	●	●	●	●				●	●	●
TC43	●	●			◇	○	⬠	c/s	●	●	●						●				●	●	●
TC48	●	●			◇	○	⬠	c/s	●	●	●	●	●	●	●	●	●				●	●	●
TC50	●				◇	○	⬠	c/s				●											

- GUNS
- ◇ - Professional Gun
 - ◆ - Wand Gun
- HOSES
- - Black Rubber Hose
 - ⊗ - Stainless Steel Hose
 - ⊕ - HT Hose

- NOZZLES
- ⬠ - Lechler
 - ⊗ - 4001
 - ⬠ - 6501
 - ⬠ - 8002
 - ⬠ - 9501
 - ⬠ - 650067

- CLEANERS
- C - TensorGrip® C101
 - S - TensorGrip® S105

GET STARTED.

NEVER LOOK BACK.



Using **TensorGrip®** is more than simply using an adhesive canister; it is having everything that you need to create that unbeatable bond in as simple a fashion as possible.

Inside this box lies the key to reaching the optimum potential of **TensorGrip®**, bringing your work to new heights of quality and efficiency, all the while incurring absolutely no additional cost to your first canister purchase*. We are proud to introduce the **TensorGrip® Kick Off Kit**.

This unique package comes with all of the essential tools for bonding, including a Professional Spray Gun, Hose, Gun Tip, Roller and a **Tensor**-branded Ball. Everything to ensure that you are getting the very best out of our adhesives.

Each KICK OFF KIT contains:



Professional Gun



4 Metre Hose



75mm Roller



TensorGrip® Football



For more information visit:
www.tensorglobal.com/uk



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CONTACT US



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