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FOAM & UPHOLSTERY ADHESIVES



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WHATIS 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 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.

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 2-3 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 FOAM & UPHOLSTERY RANGE

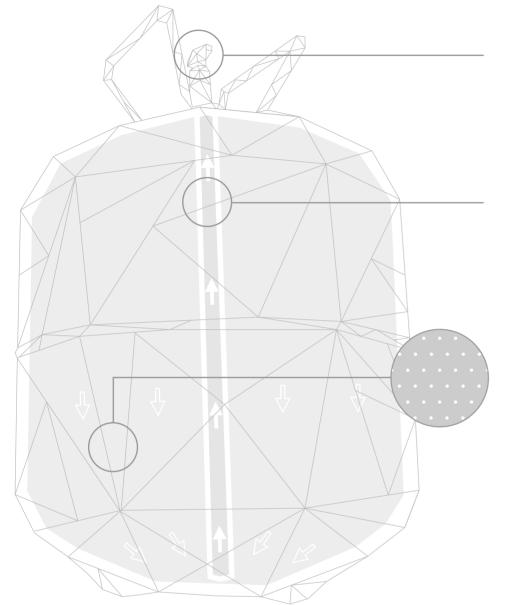
Truly the most comprehensive range of spray adhesives for the Foam & Upholstery industry. We have your applications covered. The TensorGrip® Foam and Upholstery range now has 13 products, each suited to different industries including mattress & headboard manufacturing, foam conversion, flight cases, contract seating & domestic seating

Whatever the parameters and complexities of your applications, the TensorGrip® Foam and Upholstery range will provide the solution.



THE SYSTEM

THE GUN



VALVE

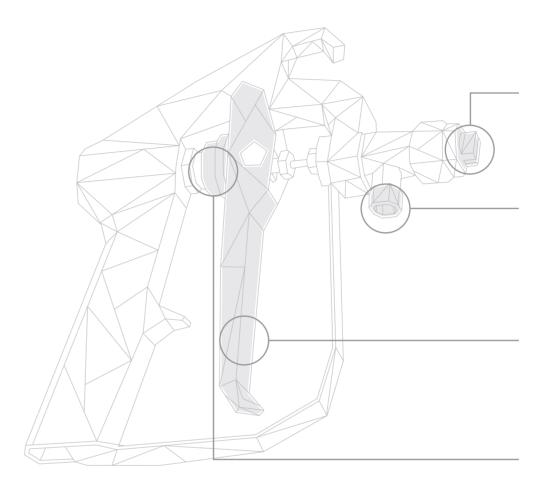
Controls the flow of adhesive from the canister.

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.



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!

A D J U S T M E N T W H E E L

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: Size: Weight*:

13 / 22ltr 310mm x 450mm Up to 23kg



INTERMEDIATE

The largest in our range, suitable mostly for use in largescale production environments.

Volume: Size: Weight*:

110ltr 380mm x 1258mm Up to 125kg

*please refer to technical data sheet for product specific weigh



PRODUCT RANGE

THE MOST COMPREHENSIVE RANGE OF SPRAY ADHESIVES FOR THE FOAM & UPHOLSTERY INDUSTRY

PLASTICISER RESISTANT VINYL SPRAY ADHESIVE

TensorGrip® F10 is a revolutionary, high performance plasticiser resistant adhesive, specially formulated to bond all commonly used substrates found within the foam and upholstery industry. The F10 will bond vinyl, plasticised rubbers, leathers and plastics, which in the past this was not possible because of the leeching plasticisers migrating from the vinyls causing delamination.

ADVANTAGES

- Very High Solids.
- Very Good Green Strength.
- High Temp Resistance 155°C.
- 100% Resistant To Delamination Caused By Plasticiser Migration.

SUITABLE FOR:

PROPERTIES:





Web Spray

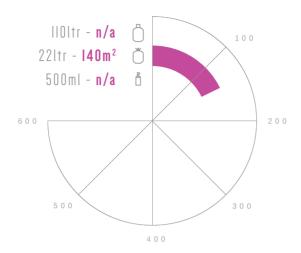


Synthetic



Carpet

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



2 Sided

OPEN TIME**:



Up to 10 mins

FLASH OFF TIME***:



COLOUR:

Clear

**depending on environment & ambient temperature



HP NON-MECL FOAM BONDING ADHESIVE

TensorGrip® F11 NON-MECL LOW VOC is a revolutionary, high performance plasticiser resistant adhesive, specially formulated to bond all commonly used substrates found within the foam and upholstery industry. The F11 will bond vinyl, rubber, leathers and plastics, as in the past this was not possible because of the leeching plasticisers migrating from the vinyl's causing delamination.

ADVANTAGES

- Fast Tack Time.
- Waterproof.
- High Temp Resistance 155°C.
- 100% Resistant To Delamination Caused By Plasticiser Migration.

SUITABLE FOR:

PROPERTIES:



Carpet

Foam

Rubber





V.O.C



Moisture Resistant

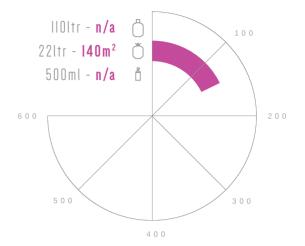




Synthetic

TECHDATA

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



2 Sided

OPEN TIME**:



Up to 15 mins

FLASH OFF TIME***:



COLOUR:

Clear

^{**}depending on environment & ambient temperature

FAST DRYING FOAM & UPHOLSTERY ADHESIVE

TensorGrip® F20 has been developed to provide very fast tack times for all upholstery, foam and carpet contact bonding situations. Its high solids and pressure sensitive adhesive technology make this product highly suited for all types of production processes. The F20 is designed to give a long open time and high tack level with good strength for general bond applications.

ADVANTAGES

- Good Room Temperature Bonds.
- Good Green Strength.
- Strong Bond Adhesion For Various Materials.
- Good Heat Resistance.

SUITABLE FOR:

PROPERTIES:



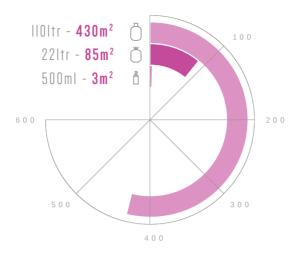


Web Spray





BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

I or 2 Sided

OPEN TIME**:



Up to 60mins

FLASH OFF TIME***:



COLOUR:

Clear

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



F26

GP NON MECL FOAM ADHESIVE

TensorGrip® F26 is a non-MECL formulation bringing exposure reduction benefits to users along with a highly controllable spray pattern. F26 will bond a variety of foam and fabrics to plywood and MDF substrates.

ADVANTAGES

- Non-MECL.
- Temp Resistance 80°C.
- Highly Controllable Spray Pattern.
- Good Level of Tack.

SUITABLE FOR:

PROPERTIES:



Timber





Fabric



Foam

BONDED SQUARE METRE COVERAGE (m²)*:

TECHDATA

22ltr - **90m²** 💍

APPLICATION TYPE:



2 Sided

OPEN TIME**:



Up to 20 mins

FLASH OFF TIME***:



COLOUR:

Clear

^{**}depending on environment & ambient temperature

^{**}depending on environment & ambient temperature

PSA UPHOLSTERY CONTACT ADHESIVE

TensorGrip® F30 has been developed to provide very fast tack times for all upholstery, foam and carpet contact bonding situations. Its high solids and pressure sensitive adhesive technology, makes this product highly suited for all types of production processes. It is designed to give a long open time and high tack level with good strength for general bond applications. (Not recommended for decorative high pressure laminate applications subjected to high temperatures).

ADVANTAGES

- Good Green Strength
- Good Heat Resistance.
- Portable and Convenient.
- Good Room Temperature Contact Bonds.

SUITABLE FOR:

PROPERTIES:





Web Spray



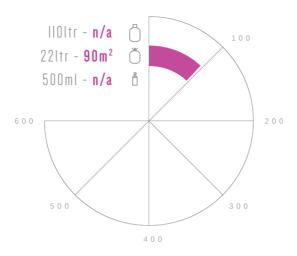


Synthetic



Foam

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

I or 2 Sided

OPEN TIME**:



Up to 60 mins

FLASH OFF TIME***:



COLOUR:



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

**depending on environment & ambient temperature



F30N

NON-FLAM PSA FOAM & UPHOLSTERY ADHESIVE

TensorGrip® F30N has been developed to provide very fast tack times for all upholstery, foam and carpet contact bonding situations. Its high solids and pressure sensitive adhesive technology, makes this product highly suited for all types of production processes. It is designed to give a long open time and high tack level with good strength for general bond applications. (Not recommended for decorative high pressure laminate applications subjected to high temperatures).

ADVANTAGES

- Portable and Convenient.
- Good Green Strength.
- Good Heat Resistance.
- ZEROFLAMTM Technology.

SUITABLE FOR:

PROPERTIES:



Fabric





 $ZERO-FLAM^{TM}$ Technology

Web

Spray

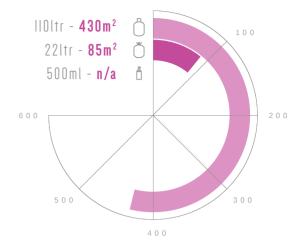


Plywood

Foam

TECHDATA

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



I or 2 Sided

OPEN TIME**:



Up to 60 mins

FLASH OFF TIME***:



COLOUR:



^{**}depending on environment & ambient temperature

HI-TEMP FOAM & UPHOLSTERY SPRAY ADHESIVE

TensorGrip® F31 is a high performance spray adhesive developed for demanding foam, fabric, leather and upholstery applications. Its tough curing properties and high temperature resistance give ultra-strong bond adhesion when working in high demand, bespoke upholstery applications, ensuring longevity and excellent, integral bond results.

ADVANTAGES

- Exceptional, Tough Curing Bond Lines.
- Good Temp Resistance 118°C.
- Excellent Green Strength.
- Low Odour.

SUITABLE FOR:

PROPERTIES:





Web Spray





Synthetic

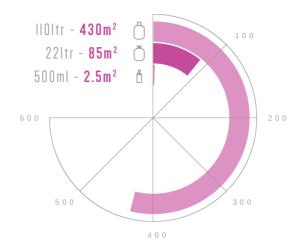


Thin Fabric



Aluminium

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



2 Sided

OPEN TIME**:



Up to 40 mins

FLASH OFF TIME***:



COLOUR:

Clear

**depending on environment & ambient temperature



F32

FOAM & UPHOLSTERY SPRAY ADHESIVE

TensorGrip® F32 is a fast dry, tacky spray adhesive designed for bonding a variety of common materials used in the foam and upholstery industry. F32 has good temperature resistance and strong bond adhesion on materials including thick and thin fabrics, carpet tiles and foams to core substrates like plywood, MDF and chipboard.

ADVANTAGES

- Excellent Initial Grab.
- Excellent For Cushion Making/Bull Nosing.
- Good Temp Resistance 105°C.
- High Integrity Bond.

SUITABLE FOR:

PROPERTIES:







Carpet

Fabric

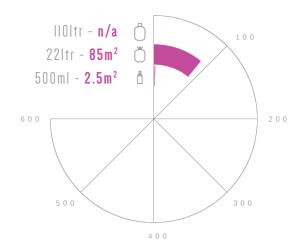


Thick Fabric



Fabric

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

2 Sided

OPEN TIME**:



Up to 40 mins

FLASH OFF TIME***:



COLOUR:

Clear

^{**}depending on environment & ambient temperature

F35N

NON-FLAM FOAM ADHESIVE

TensorGrip® F35N is a fast drying contact adhesive with Super High Tack. it is uses the unique Tensor® ZERO-FLAMTM Technology, making this a true market beater. Immediate permanent bonds can be achieved by doublesided applications most thick board build ups. NOT RECOMMENDED for use with plasticised vinyls, flexible plastics, expanded/extruded polystyrene, PE or PP.

ADVANTAGES

- ZERO-FLAM™ Technology.
- High Solids.
- Fast Bonding.
- Seriously High Tack.

SUITABLE FOR:

PROPERTIES:





Web Spray



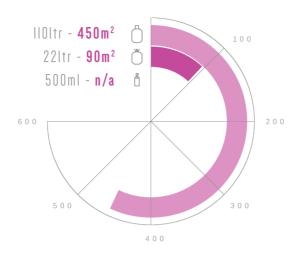


ZERO-FLAM™ Technology





BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

l or 2 Sided

OPEN TIME**:



Up to 60 mins

FLASH OFF TIME***:



COLOUR:

Clear

**depending on environment & ambient temperature



HI-GRAB FOAM & FABRIC SPRAY ADHESIVE

TensorGrip® F40 is a highly aggressive adhesive for all demanding foam, fabric, upholstery and carpet applications. F40 is a Non-Chlorinated, high solids, synthetic rubber spray grade, multi-purpose adhesive in canisters. This adhesive is designed for versatility with a long open time and high tack level with excellent strength for bonding a wide variety of substrates including foam, fabrics, upholstery, plywood, MDF and many others. F40 can also be used as a tackifier for carpet tiles.

ADVANTAGES

- Non-Chlorinated Adhesive (NC).
- HAPs free.
- Polystyrene Compatible.
- Extremely high tack.

SUITABLE FOR:

PROPERTIES:



Carpet Tile





Web

Spray

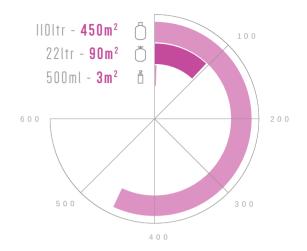


Thin Fabric

Foam

Thick

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

I or 2 Sided

OPEN TIME**:



Up to 60 mins

FLASH OFF TIME***:



COLOUR:

Clear

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

**depending on environment & ambient temperature

NON-MECL FAST FLASH ADHESIVE

TensorGrip® F50 is a high grab adhesive designed for thin and thick fabric, upholstery, synthetic leather, carpet and carpet tiles. F50 is a Non-Chlorinated high solids synthetic rubber spray grade multipurpose adhesive in canisters. F50 is designed for versatility with a long open time and high tack level with excellent strength. NOT RECOMMENDED for use with plasticised vinyls, flexible plastics, and expanded / extruded polystyrene, PE or PP.

ADVANTAGES

- Non-MECL.
- Excellent Green Strength.
- Excellent Room Temperature Contact Bonds.
- Extremely High Tack.

SUITABLE FOR:

PROPERTIES:





Web Spray

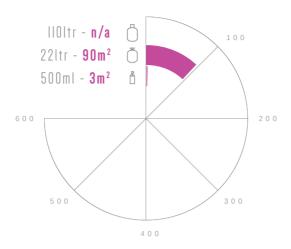








BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



2 Sided

OPEN TIME**:



Up to 60 mins

FLASH OFF TIME***:



COLOUR:

Clear

**depending on environment & ambient temperature

F55

FAST DRY NON MECL FOAM ADHESIVE

TensorGrip® F55 is a fast dry, Non-MECL adhesive for high demand for foam, fabric and upholstery applications. This unique formula blends the benefits of non chlorinated technology with fast flash off time for ultimate user safety and efficiency. F55 has been designed with a tough cure glue line making it perfectly suited to high demand curved bonding applications where fast grab is essential.

ADVANTAGES

- Non-MECL.
- High Temp Resistance 115°C.
- Polystyrene Compatible.
- Tough Bond Line.

SUITABLE FOR:

PROPERTIES:







Plywood

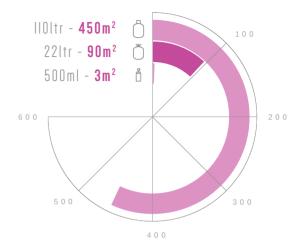
Foam



Synthetic Leather



BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

2 Sided

OPEN TIME**:



Up to 10 mins

FLASH OFF TIME***:



COLOUR:

Clear

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

**depending on environment & ambient temperature



F60

HI-GRAB NC FOAM & FABRIC SPRAY ADHESIVE

TensorGrip® F60 is a Non-Chlorinated, high performance spray adhesive designed for bonding foams, fabrics and upholstery materials to many common core substrates in foam and upholstery applications. High tack properties make this adhesive ideal for bonding thick fabrics and foams and other thick, high demanding materials where good grab and strong bond adhesion are required. NOT RECOMMENDED for use with plasticised vinyls, flexible plastics, PE or PP.

ADVANTAGES

- HAPs Free.
- Polystyrene Compatible.
- Non-Chlorinated Adhesive (NC).
- High Tack.

SUITABLE FOR:

PROPERTIES:





Web Spray





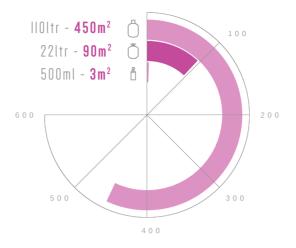


Fabric



Fabric

BONDED SQUARE METRE COVERAGE (m²)*:



APPLICATION TYPE:



TECHDATA

2 Sided

OPEN TIME**:



Up to 30 mins

FLASH OFF TIME***:



COLOUR:



Clear (excl 110ltr)



Green

**depending on environment & ambient temperature

WHATIS LOW V.O.C?

V.O.C stands for Volatile Organic Compound which is organic chemicals that have a high vapor pressure at room temperature. In simple terms the V.O.C will evaporate as a gas into the air which you can often smell however they cannot be seen. Although some V.O.C's may have no odour but can still be harmful.

With Quin Global's continual commitment to the environment (ISO14001) combined with our intelligence and knowledge, we are pushing forward with an intense innovation programme, to develop adhesives and propelled aerosols and canister products that have either low or Zero V.O.C eliminating your risk of harmful gases.

Look for the symbol to determine if your canister is Low V.O.C.

DIRECTIONS FOR USE

Correct Application of TensorGrip® Spray adhesive products is essential for a successful life long bond. All our Foam & Upholstery range products with the exception of F20, F30 and F30N are designed to be applied to two surfaces to be bonded together. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 °F - 80 °F (16 °C - 27 °C).

Use with adequate ventilation. When possible we recommend shaking the canister well before using. Attach and secure hose tightly onto the spray gun with required tip. Attach the other end of the hose onto the canister. Make sure the hose-valve connections are securely tight. Open the valve on the canister slowly and fully, check for leaks during this process. Unlock the trigger on the spray gun to start spraying.

Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. Spray about 10-20 cm (4" - 8") away, holding spray gun at a 90 degree angle to the surface. If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or acetone. Do not use a pin on the spray tip orifice



Step 1

Apply a coat of adhesive around the perimeter of the substrates to ensure these important areas get sufficient adhesive coat weight.



Step 2

Spray both surfaces to be bonded, one surface vertically and the other surface horizontally, applying a uniform even coat of adhesive to obtain 80% to 100% coverage of the surface. If necessary, spray another coat of adhesive in areas that appear to need more adhesive. Allow the adhesive to tack off for approx. 3 minutes (dependant on conditions) until no adhesive transfers to the knuckle when touched.



Step 3

Place surfaces together taking care to position correctly first time as any contact will give some degree of instant bond.



Step 4

Recommended to apply sufficient pressure to achieve maximum strength. Pay particular attend to edges and corners once trimmed to ensure a good closed glue line.



Step 5

Your bond is complete however, allow up to 24 hours for the adhesive to fully cure.



DIRECTIONS FOR USE: 500ML AEROSOL

The process for bonding using our 500ml aerosol products is identical to above apart from the aerosol can should be shaken well and held at 45 degrees angle from the surface for optimum performance.

The above directions apply to a typical laminating application using a TensorGrip® Web Spray product.

When using one of our Mist Spray products a very similar process applies but we advise the following:

- 1. Apply a light mist/sealer coat across the whole substrate area instead of just a window frame as shown in Step 1
- 2. Hold the gun further from the substrates (approx. 10 -12 inches) for best results
- . Flash off time is longer with these products (approx. 5 -6 mins) dependant on conditions.



WHAT IS ZERO-FLAM TECHNOLOGY™?

ZERO-FLAM Technology™ has actually been independently tested and proven to exceed all industry standards for flame projection control performance. It really is the hottest product on the market

When you combine its fortified high-performance polymers with the dual-component formula, you'll notice your productivity increase further, with its unrivalled sprayability and high-speed spray application. Indeed, according to development chemists: "Quin Global eliminated flammable gases by incorporating its unique **ZERO-FLAM Technology™** which combines a highly developed blend of high-performance resin polymers and non flammable gases."

You benefit from increased profitability and peace of mind, as flammability hazards in your workspace are reduced WITHOUT the need to break the bank.

Look for the _____ symbol to determine if your canister is ZERO-FLAM Technology™.

GET STAR TED.

NE VER 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

4 Metre

75mm Roller

TensorGrip® Football





















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

PRODUCT MATRIX

FOAM & UPHOLSTERY RANGE

NORMAL CONDITIONS CONDITIONS UNDER STRESS \Diamond Θ F10 Θ F11 F20 0 F26 0 F30 0 F30N F31 0 F32 0 F35N F40 F50 F55 F60 - Lechler - 4001 - 6501 O - Black Rubber Hose
O - Stainless Steel Hose
O - HT Hose - 8002 - 9501 - 650067 C - TensorGrip® C101



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is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of $the \ product \ for \ additional \ technical \ information \ concerning \ its \ use \ if \ they \ think \ that \ the \ information \ in \ their$ possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current $professional\ standards\ and\ in\ accordance\ with\ the\ stipulations\ set\ out\ in\ our\ general\ sales\ conditions.$ The information detailed in the present technical data sheet is given by way of indication and is not exhaustive.