

TensorGrip®

TC48

SUPER FINE MIST
INFUSION ADHESIVE

SUITABLE FOR:



Thick Fabric



Thin Fabric



Fibreglass Infusion

PROPERTIES:



Mist Spray

AVAILABLE IN:



500ml Aerosol



22ltr Canister

COLOURS:



Clear

TECHDATA

PRODUCT DESCRIPTION

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. TensorGrip® 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.

DIRECTIONS FOR USE

- This product is designed to be applied to one side of the surfaces to be bonded together. However, It can be used for double sided bonding where required. 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. This product may degrade some substrates. Spray about 10-20 cm (4" – 8") away at a 90 degree angle to the surface, 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. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally. Allow the adhesive to tack off until no adhesive transfers to the knuckle when touched.
- Adhere surfaces and press together with adequate pressure. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.
- 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.

SPECIAL PRECAUTIONS

- For optimum results store canister above 18°C during use, but must always be above 10°C. Allow substrates to acclimatise to normal room temperature (18°C) for 48 hours before bonding. Do not exceed open time of the adhesive. Keep canister off cold concrete floors during use. If adhesive is expelled wet or as a jet, aerosol is too cold – move to warm environment and allow to thoroughly acclimatise before reusing.

Tensorgrip®

TC48

SUPER FINE MIST
INFUSION ADHESIVE



- MSDS and Technical Data Sheets MUST be read and understood before use. Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company however cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations to infringe on any patent.

CAUTION

- Use only in well ventilated areas.
- DO NOT thin or reactivate with solvents.
- DO NOT incinerate.
- DO NOT expose to extreme heat over 50°C.
- Keep away from sources of ignition.
- Test for suitability before use.

CHEMICAL TECHNICAL DATA

TYPICAL PROPERTIES

Total Solids	28-30%
System flammability	Adhesive in flammable solvent & propellant
Shear	Not determined
Tensile	Not determined
(SAFT)	Not determined
Heat Resistance	Not determined
Dry Time	3-5 mins dependant on temperature and humidity
Open Time	< 15 mins
Shelf Life	18 months from date of manufacture

PACKAGING

500ml	Aerosol (suitable for industrial and general public use)
13.6 kg	Disposable Canister (suitable for industrial use only)

STORAGE

HANDLING & STORAGE

- Consult Material Safety Data Sheet prior to use.
- DO NOT store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- DO NOT store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must always be above 10°C.
- Always test product to determine suitability for your particular application prior to use in production.

Copyright © 2018 by Quin Global UK Ltd All rights reserved. This publication or any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of the publisher.

DISCLAIMER OF WARRANTY: The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product 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. The same applies to any information provided verbally by telephone to any prospective or existing customer.

QUIN
GLOBAL

QUIN GLOBAL UK
Unit 1 Ruthvenfield Avenue,
Inveralmond Industrial Estate,
Perth, PH1 3WB

T: +44 (0) 845 381 2233
E: info.uk@quinglobal.com
www.quinglobal.com

Tensorgrip®

