

TECHNICAL DATA SHEET

THE ORIGINAL SUPER GLUE TOTAL TECH CLEAR

Product description

The Original Super Glue's Total Tech Clear is a hybrid sealant adhesive, free of water and solvents. It contains reactive technology that combines adhesion and versatility on all types of materials (delicate materials, galvanized steel, polycarbonate, PVC) with great flexibility and sealing properties (sealant) even under water. It combines the best performance of a sealant and the mechanical capacity of a construction adhesive.

Technical characteristics

- Resistance to chlorine in a non-permanent way
- Pick-up (Daniels viscometer): 0 in. - thixotropic
- Dry Residue: > 95%
- Density: 1.07 - 1.07 Kg/l
- Skin formation (in 2 mm extension, 23°C, 50% RH): 10 min
- Drying time: 2 h
- Curing depth: 0.12" (3 mm) in 24 h; > 0.27" (7 mm) in 7 days
- Shore Hardness A (DIN 53505): 43 - 45
- Elongation Break (DIN 53504) > 450%
- Tensile strength 390 psi (200Kg / 10cm²)
- Traction Resistance: 3.0 Mpa
- Viscosity: > 15000 cP (0.1 s-1); 400-800 cP (5 s-1); 100-450 cP (10 s-1)

Properties

- Color: Crystal clear
- High filling capacity
- Service: -40°F - + 194°F (-40°C - + 90°C)
- Application Temp: + 41°F - + 95°F (5°C - + 35°C)
- Odorless
- Resistant to UV radiation
- 100% paintable during the first 24 hours
- Direct application, no need to aerate facilitating installation work
- Fast Bonding

Applications

- Sealing of gaskets and expansion joints.
- Bonding and sealing construction materials.
- Bond and fixation of boards, coverings and sheets.
- Bonding and sealing of metal and plastic parts.
- Bonding and sealing of industrial body.
- Bonding of sandwich plates and fixing of insulating plates (expanded polystyrene, etc.).
- Channelling works (zinc, aluminium, stainless steel, galvanized, PVC, etc.). Suitable for mirrors, metals.
- Filling and sealing of all types of cracks and fissures
- Does not shrink.

- Does not wet surfaces, does not produce oxidation or corrosion.
- . Not suitable for plumbing installations that are subject to pressure (water, gas, etc.).
- Prior to sealing and/or building aquariums, please consult Pacer Technology's technical department.
- Perform previous test in polycarbonate.
- Suitable for adhesions in dry, wet and even immersion conditions.
- Not suitable for PP, PE, PTFE, PVC laminated, XPE with laminate.
- Perform a previous test on materials with complex adhesion.
- Suitable for indoor, outdoor, porous, non-porous, delicate and non-sensitive materials.

How to use

Surface preparation:

The surfaces to be fixed or sealed must be clean, free of dust or grease, lichen, mold, or residues of other applications that could compromise the adhesion of Total Tech. The material used to clean the supports will depend on the nature of the product. In metallic or glass supports it will be enough to clean with a clean cloth moistened in acetone.

In other conditions, consult the cleaning method with support manufacturer.

Application:

As a sealant:

Cut the cannula to the desired diameter and apply inside the joint with the help of a suitable caulking gun. For vertical sealing, apply from the bottom up to avoid the formation of cavities inside the joint (cracks in tiles, etc.).

If it is necessary to install a joint, seal using a polyethylene foam cord or, in its absence, extruded or expanded polyethylene.

The minimum application thickness must be 0.2" (5mm) to guarantee a correct UV rays' resistance.

Product not suitable for sealing operations that are in direct contact with water with high concentrations of chlorine, salt water, hydrocarbons, solvents, acids or strong bases. In this case the repairs will be temporary and not permanent since chlorine and salt are very oxidizing and end up degrading these technologies.

As an adhesive:

Apply in dots or cords on the object to be bonded. Hold the surfaces with mechanical elements in order to prevent its movement and let it dry in its original position for a minimum of 24 hours. In non-porous materials it is recommended to wait up to 48h.



Ref.: 11711002, 11711004
Colour: Clear
Formats:
cartridge 9.8 fl oz (290 ml)
Tube 4.2 fl oz (125 ml)

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To be painted:

Wide spectrum of adhesion without previous priming. The product remains paintable during the first 24 hours after its application (it is recommended to carry out a previous test).

Storage

Under regular storage conditions and in its original packaging, the product's shelf life is 15 months. Store the container in a cool and dry place between + 50°F and + 95°F (10°C - + 90°C).

Protect from heat (extreme temperatures), flames and sparks.

Safety recommendations

Keep out of the reach of children.

For more information, see safety data sheet (SDS).

In case of emergency, call CHEMTREC at (800) 424-9300 or call Pacer Technology at (800) 538-3091 (outside CA only), or (909) 987-0550.

Ultimately it will be user's responsibility to determine the final suitability of the product in any type of application.

For applications other than those detailed in this Technical Sheet, contact the Technical Department of AC Marca Adhesives.

We guarantee the uniform properties of our products in all supplies. The recommendations and data published in this technical sheet are based on our current knowledge and rigorous laboratory tests. Due to the many variations in the materials and the conditions of each project, we ask our customers to carry out their own useful tests under the working conditions provided and following our general instructions. This prevents further damages, whose consequences would be foreign to the company.

The data indicated in this Technical Sheet should never be considered as a specification of the product's properties.