

# TST

## EPOXY RESIN REPAIR STICK

- Copper, Water, Steel and Metal:  
 Fills cracks and holes  
 Temperature resistant up to 180°C and up to 300°C for short times  
 Used for on-the-spot repairs  
 Easy to use  
 Can be painted and sanded
- Aluminium:  
 Fills cracks and holes  
 Temperature resistant up to 180°C and up to 300°C for short times  
 Hard as metal  
 Used for on-the-spot repairs  
 Can be worked mechanically  
 Easy to use
- Wood:  
 Fills cracks and holes  
 Temperature resistant up to 180°C and up to 300°C for short times  
 Used for on-the-spot repairs  
 Useful for repairs of wood products (e.g. planks, furniture, wooden flooring,...)
- Titan:  
 Composed of epoxy resins and titanium. Extremely suited for applications where high temperature resistance is required. Can be used for repairing and bonding. Non-conductive and anticorrosive. Resistant to oil, alcohol, fuels, acids and most chemical influences.



### Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

# TECHNO STICK

## General Information

TECHNO STICK is an epoxy resin repair stick which fills up cracks and holes. Due to its different types like aluminium, copper, wood, water, steel and metal and titan it can be used in industries,

automotive, construction and even for household use. TECHNO STICK is used for on-the-spot and emergency repairs. As TECHNO STICK is worked like a modelling clay, it is easy to handle for every user.

## Technical Information

### TECHNO STICK STEEL/ALU/WATER/COPPER

Form: pasty  
 Colour: different colours  
 Odour: characteristic  
 Flash point: > 100°C  
 Density: 1,9 - 2,09 g/cm<sup>3</sup>  
 Curing time: 8 - 12 minutes  
 Full strength: 24 hours  
 Working temperature: 10°C to 30°C  
 Mix rate: 1:1  
 Gap filling: 15 mm  
 Shrinking: 0,05 %

Mix rate: 1:1  
 Gap filling: 15 mm  
 Shrinking: 0,05 %

### TECHNO STICK WOOD

Form: pasty  
 Colour: different colours  
 Odour: characteristic  
 Flash point: > 200°C  
 Density: 1,85 g/cm<sup>3</sup>  
 Curing time: 8 - 12 minutes  
 Full strength: 24 hours  
 Working temperature: 10°C to 30°C

### TECHNO STICK TITAN

Form: solid  
 Colour: brown  
 Odour: bland  
 Initial boiling point and boiling range: > 35°C  
 Flash point: > 100°C  
 Density: 1,9 g/cm<sup>3</sup>  
 Drying time: at 20°C: treatable after 1 hour (35%), after 4 hours mechanically loaded (50%), final strength after 48 hours (100%).  
 For further information consult Safety Data Sheet or Technical Information Sheet  
 Temperature resistance: -35°C to +280°C (peak 300°C).  
 Tensile shear strength: 7,5 N/mm<sup>2</sup>.  
 Pressure resistance (DIN 53281-83): 80 N/mm<sup>2</sup>.  
 Chemical resistance: most acids, oils, alcohols, fuels, esters, water,...  
 For further information consult Safety Data Sheet.

## Application and Use

- USE:
  - Aluminium: Repairing incorrectly drilled boreholes, holes in pipes, cavities and all cracks in metal, wood and plastic. Mechanical working is after a short time possible. Parts can be ground, milled, bored and painted over.
  - Wood: Useful for repairs of wood products like planks, furniture, boards and plywood, particle boards, wooden flooring, wooden applied products.
  - Water, Copper, Steel and Metal, Titan: Repairs in industries, workshops, marine, automotive, construction and also household use. TECHNO STICK Steel/Metal has excellent machinability like drilling, tapping, turning, milling etc. after curing. It can be painted or sanded.

- APPLICATION:
  - Water, Copper, Wood, Steel and Metal and Titan: Make the application surface clean, dry and free from dust, rust, oil etc. If the surface to be applied is smooth, roughen it with sand-paper for better adhesion. Wear protective eye glasses and hand-gloves whenever necessary. Cut the required quantity of TECHNO STICK. Mix the putty homogeneously and apply the mixture immediately on the surface to be bonded. Apply pressure to hold the surface until the adhesive cures.
  - Aluminium: The parts to be repaired must be clean and oil and grease-free. Roughening increases the strength of the bond. Cut off the required quantity of TECHNO STICK and knead it for approximately 2 minutes until an even colour has been produced and the material becomes warm. Then apply TECHNO STICK to the parts and mould it. Mechanical working can be done after approximately 20 minutes. Final hardening occurs after 24 hours. Do not work at outdoor temperatures below 5°C.

Article nr	Name	Content	Shelf Life	Catalog
T638001	Techno Stick Steel	56g	see imprint + 12 months	ADHESIVES AND SEALANTS
T638002	Techno Stick Aluminium	56g	see imprint + 12 months	ADHESIVES AND SEALANTS
T638003	Techno Stick Water	56g	see imprint + 12 months	ADHESIVES AND SEALANTS
T638004	Techno Stick Copper	56g	see imprint + 12 months	ADHESIVES AND SEALANTS
T638005	Techno Stick Wood	56g	see imprint + 12 months	ADHESIVES AND SEALANTS
T638006	Techno Stick Titan	57g	see imprint + 12 months	ADHESIVES AND SEALANTS

