

# SUPERFAST TITANIUM-STICK

## Product Description

Superfast Titanium-Stick is a titanium-filled epoxy putty designed to bond and repair materials that will be exposed to high temperatures for use in a variety of industrial maintenance applications. It can be used to repair iron pipes, tanks, tools and equipment, stripped threads, blow holes, moulds, patterns, castings and duct-work.



Each handy stick contains pre-measured portions of activator and base throughout – no measuring or mixing tools are necessary. As the epoxy is mixed, the two contrasting colours blend into one colour to indicate complete mixing. The consistency eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins. Superfast Steel-Stick cures to a golden-brown, titanium colour. Once cured, it can be tapped, drilled, screwed, sawed, machined, ground, filed, or painted. It is non-rusting and will not corrode.

Suitable for interior or exterior use, it is resistant to water, chemicals, and temperature extremes. Superfast Titanium-Stick contains no solvents or VOC's. It's non-flammable and releases no noxious fumes. It won't shrink or pull away. The unused portion stays fresh for future use when saved in its original package.

Superfast Titanium-Stick has a working life of 90 minutes and can be worked in 8 hours. Full cure is achieved in 72 hours.

## Performance Data\*

MINIMUM SHELF LIFE (months @ 24°C,) .....	24
HARDNESS, SHORE D (full cure, 24 hrs.)	
at 20°C .....	80
at 260°C .....	48
LAP SHEAR TENSILE STRENGTH (MPa)	
On Steel .....	1.7
On Steel (24hrs curing + 1hr @ 260°C) .....	1.7
On Steel (24hrs cured @ 260°C) .....	5.1
COMPRESSIVE STRENGTH (MPa) .....	80
DENSITY (gm/cm <sup>3</sup> , lb/gal) .....	1.9, 16.5
SHRINKAGE (%) .....	<1
NON-VOLATILE CONTENT (%) .....	100
ELECTRICAL RESISTANCE (megohms) .....	30,000
DIELECTRIC STRENGTH (volts/mil) .....	300
UPPER TEMPERATURE LIMIT	
Continuous (°C) .....	-40 to 245
Intermittent (°C) .....	-40 to 280
CHEMICAL RESISTANCE	
Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.	

\*Typical properties: for information only; not for specification purposes.