Product Data Sheet
303 High-Temp Titanium Putty Stick

UNIGRIP
DANTECH ELITE COMPOSITES

Unigrip High-Temp Titanium Epoxy Putty

The Unigrip High-Temp putty are specifically formulated to bond and repair materials that will be exposed to high temperatures in marine & industrial maintenance applications. It bonds tenaciously to metals and cures tough and hard, with nearly no shrinkage. This marine/industrial strength product far outperforms conventional epoxy putties at high temperatures in lap shear tensile strength testing.
Each stick contains pre-measured portions of base and activator.
No measuring or mixing tools are needed – just cut, mix and apply. When mixed to a uniform colour, the combined materials form a polymer compound that can be molded and shaped into a variety of forms and repairs.

Intended Use

Repair of iron pipes, tanks, equipment, castings, tools, stripped threads, molds, ductwork and other projects to be exposed to high temperatures. Use it to bond metals in industrial maintenance applications, and to fill cracks and holes.

Technical Data

Properties	Results	Test Methods
Work life	1 Hour @ 24°C	
Shore D Hardness	80	ASTM D2240
Lap shear strength on Steel	5.6N/mm² @ 24°C 4.2N/mm² @ 204°C 2.45N/mm² @ 260°C	ASTM D1002
Temperature Limitations	-40°F to +450°F (-40°C 232°C) Continuous -40°F to +500°F (-40°C to +260°C) intermittent	
Dielectric strength	11,800 V/mm	ASTM D149
Compressive strength	55N/mm²	ASTM D695
Chemical resistance: Resistant to hydrocarbons, Ketones , alcohols, esters, halcarbons, aqueous salt solutions, dilute acids and bases.		

Packaging

Unit Size: 3.75oz / 106g stick
UNIGRIP High-Temp Titanium Putty is supplied in a stick form wrapped in a clear release film. Packaged in a reusable clear plastic tube with a plastic friction top.

Shelf Life

UNIGRIP High-Temp Titanium Putty should be stored out of direct sunlight in dry frost free conditions of temperatures between 5°C and 20°C. Under such conditions shelf life will be 36 months from the date of manufacture. One year minimum from date of shipment when stored in original, unopened container in a dry area at temperatures below 75°F (24°C).

*Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.