

TECHNICAL DATASHEET

PENOSIL Premium FastFix Metal

Hand mixed two-component epoxy putty reinforced with anticorrosion steel allowing fast fixing and restoration. After mixing the activator and the base in the internal and external layers, a polymer compound with is formed that can be formed or used for repairing, restoring and patching metal parts. Easy to use, indispensable for small fast repairs. The consistency (like modelling clay) eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins. Once functional cure is reached (within minutes after application), it can be drilled, sawed, carved, sanded, filed, and painted. Resistant to water, chemicals and extreme temperatures.

Contains no solvents or VOCs. It is non-flammable and releases no noxious fumes. Does not shrink or pull away.

Field of applications

Fills cracks and voids in metal. Seals leaks in pipe joints. Restoration of uncovered nail heads, small machine parts, corroded metal. Forming special-shape tools, handles, prototype parts.

Application conditions

Suitable for interior or exterior use. Application temperature +5 °C to +30 °C. All surfaces must be clean, free from loose particles. The unused portion stays fresh for future use when saved in its original package. Not suitable for general construction works.

Can be used in surfaces in contact with drinking water.

Application instruction

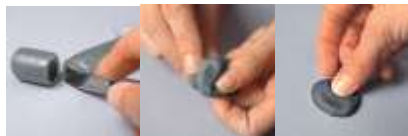
Before applying, roughen and clean the area to be repaired. Then follow these easy steps:

Cut or twist off required amount.

Mix by kneading with fingers to a uniform colour. If mixing is difficult, warm FastFix Metal to room temperature or slightly above. Even mixing is important for achieving a good quality.

Apply to surface to be repaired within 2 minutes of mixing. Force into any cracks or holes and strike off excess material, preferably with a tool moistened with clean water. Upon applying the putty to moisture, wet or slowly leaking surface, press the material strongly to the surface and press until adhered. For best result, moisten your fingers in order to make mixing, applying and smoothing of cured product easier.

Remove excess material before curing.



Cleaning

Use water or PENOSIL Premium Cleaning Wipes for removing fresh putty from hands and tools. Cured putty should be removed mechanically.

Technical specification

Property	Unit	Value
Processing time	minute	3–5
Curing time	hour	1
Strength after final curing (24h)(Shore D)		80
Transverse tensile strength	MPa	6,2

Compression strength	MPa	55
Density	g/cm ³	2,2
Volume decrease	%	<1
Electrical resistance	MΩ	30,000
Dielectric strength	MV/m	11,8
Upper temperature limits	°C	long term +120 short term +150

Chemical resistance: resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

Colour

Cures to a dark grey metallic colour.

Package

30 ml stick individually packaged in a reusable clear plastic tube with instructions and plastic friction top. Packed 12 sticks in a display carton.

Storage

Guaranteed storage time 24 months if stored in a cool, dry place in closed original packaging at temperatures between +5 °C to +30 °C, avoid freezing. Unused product rests can be stored for future in original package.

Safety Regulations

Contains Epoxy Resin and Triethylenetetramine. Exposure may cause allergic reactions. May be harmful if swallowed. Get prompt medical attention if ingested. Eye irritant. If eye contact occurs, rinse with tap water for 5 to 10 minutes. If irritation persists, seek medical care. Keep out of reach of children. Detailed safety information is available on safety data sheet (SDS).