



Steel Putty is a hand mixable, room-temperature curing, epoxy putty stick specifically formulated to bond and repair materials that will be exposed to high temperatures in industrial maintenance applications. It bonds tenaciously to metals and cures tough and hard, with nearly no shrinkage. This 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 color, the combined materials form a polymer compound that can be molded and shaped into a variety of forms and repairs.

Product Type

SPS-7 Steel Putty Stick 7"



Technical Data & Properties

Service Temperature	260°C Intermittent and 232°C Continuous
Work life at 24°C	1 hour
Density	1.90 g/cm ³
Functional Cure (lap shear tensile strength = 14 bar)	8 hours
Cure time to full cure at 21°C	3 days
Shore D	80
Lap Shear tested at 24°C	55 bar
Lap Shear tested at 204°C	41 bar
Lap Shear tested at 260°C	20 bar
Electrical Resistance	30,000 megohms-cm
Chemical Resistance	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases

Additional Information

Surface preparation: To achieve optimum adhesion, surfaces must be clean and free of oil, grease, corrosion and dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond. Mixing and application: Wear impermeable gloves when mixing or handling. Twist or cut off required amount, then mix by kneading with gloved fingers to a uniform color. If mixing is difficult, warm the product to room temperature or slightly above. Apply to the repair surface within 0.5 hour of mixing. Force into any cracks or holes to be filled and strike off excess material before hardening begins, preferably with a tool moistened with clean water. Heating or applying to warm surfaces will accelerate the cure. Shelf life: One year minimum from date of shipment when stored in container at ambient temperature.