



R391 Potting Compound

R391 Potting Compound is designed to protect electrical installations from moisture-related failures by preventing leakage currents and short circuits. It safeguards electrical contacts against corrosion in industrial environments and effectively seals uneven gaps, cable entry points, threaded fasteners, and equipment covers. Beyond electrical uses, it is also well suited to a wide range of general applications where a dependable, non-setting barrier against moisture or water is required.

Application

- Seal any form of enclosure.
- Seal cable ends or cable entries to closures.
- Non-electrical applications, non-hardening moisture or water seal.
- Prevents corrosion of electrical contacts and seals irregular openings, cable entries, screw threads and covers of electrical equipment
- Prevents electrical leakage or short circuits due to dampness
- Protects connections from moisture and corrosive vapours

Product Benefits

- No deleterious effect on metals and plastics or on natural rubber, synthetic rubber, PVC or other
- cables.
- Highly resistant to water permeation, acids and alkalis in liquid or vapour from under normal conditions.
- Does not liberate toxic fumes even if overheated and is harmless to the hands.
- Readily removed and replaced for maintenance purposes.
- Does not harden upon exposure to air or sunlight and does not shrink, crack or peel.
- Good adhesion to moulded plastic and other surfaces to resist the dislodging effects of vibration and to prevent moisture creepage along the interface.
- Soft enough to be readily moulded round terminals or intricate contours or pressed into fine cavities.
- Good electrical properties

Technical Details



Code	Description	Weight (Kg)	Colour
R391	Non-hardening Plastic Weatherproof Compound	2x 0.25 = 0.50	Reddish Brown

Technical Property	Nominal Value	Unit
Dielectric Constant (K)	6.5	-
Dielectric Strength	13.5	kV/mm
Power Factor (tan)	0.1	-
Specific Gravity at 15.5°C	1.7	-
Temperature Range	-20 to 80	°C
Volume Resistivity at 20°C	8 x 10 ¹¹	Ohm.m
Working Voltage (maximum)	1	kV
Flashpoint	+210	°C
Colour	Reddish Brown	-
Electrical Breakdown at 20 °C	18	kV / mm

