



# R391 / R392 Plastic Weatherproof Sealing Compound

**Prysman  
Group**

## Description

To protect electrical connections from moisture and corrosive vapours, Prysman Components supply a non-hardening plastic waterproof sealant. This has the consistency of putty and has good insulating properties. It can be moulded around terminals or connectors, or can be used as a mechanical seal for any form of enclosure.

Prysman Weatherproof Plastic Compound prevents electrical leakage or short circuits due to dampness. It prevents corrosion of electrical contacts in industrial atmospheres and seals irregular openings, cable entries, screw threads and covers of electrical equipment. The compound can be also used for many non-electrical applications whenever a reliable non-hardening moisture or water seal is required.

Prysman Weatherproof Plastic Compound is soft enough to be readily moulded around terminals or intricate contours or pressed into cavities. It is not sticky but has good adhesion to moulded plastic and other surfaces to resist the dislodging effects of vibration and to prevent moisture creeping along the interface. It does not harden on exposure to air or sunlight and does not shrink crack or peel. Exposure to sunlight may cause a slight skin hardening which does not affect the mass, and which can easily be removed by working in the hand. The compound is nonhardening and so can be readily moved and replaced for maintenance purposes. The material does not liberate toxic fumes even if overheated and is harmless to the hands.

Prysman Weatherproof Plastic Compound consists of an inert filler dispersed in a plastic base. It is not resistant to oils, aromatics or aliphatic hydrocarbons. The compound is highly resistant to water permeation, acids and alkalis in liquid or vapour form under normal conditions. It has no deleterious effect on metals and plastics or on natural rubber, synthetic rubber, PVC or other cable materials. It can be used to seal cable ends or cable entries to enclosures. The compound is coloured reddish brown and has an unlimited shelf life under normal conditions of wrapping and storage.

## Specifications

Compound Selection			
Part Number	New Prysman Part Number	Reference Number	Description
U562AA01	CGBU562AA01	CGBU562AA01	R391 Weatherproof Sealing Compound 0.5Kg Pack
U562AA07	CGBU562AA07	CGBU562AA07	R392 Weatherproof Sealing Compound 3.0Kg Pack

The following are the chemical and physical properties of R391 / R392:

Specific Gravity: 1.7 g/cm<sup>3</sup>.

Flash Point: +210°C.

Operating Temperature: -20°C to +80°C.

Volume Resistivity at 20°C (ASTM D257:1975): 2.8 x 10<sup>12</sup> Ohm -m.

Colour: Reddish Brown.

Electrical Breakdown at 20°C: 18kV / mm.

### FREE Technical Advisory Service

Etech maintains a free technical advisory service.

Enquiries concerning this and all other products should be directed via the sales office:- +44(0) 1744 762 929

### Applications:

#### • Preventing Electrical Leakage:

The prevention of electrical leakage on circuits due to dampness and the protection of electrical contacts against corrosion.

#### • Sealing:

The sealing of irregular openings, cable entries, screw threads and covers of electrical equipment.

#### • Filling:

It is useful as a filler for junction boxes and can also be used for many non electrical applications whenever a reliable non-hardening moisture or water seal is required.



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### Material composition of R391 / R392:

One or more liquid polymers selected from:

- Depolymerised natural rubber
- Polybutene
- Polyisobutylene
- Butadiene-Styrene
- Polybutadiene
- Polyvinyl Alkyl Ether

and

One or more mineral reinforcing agents selected from:

- Talc
- Whiting
- Clay

and

Iron oxide pigment

and

Petroleum Bitumen

and

Polymerised 2,2,4 Trimethyl 1,2 Dihydroquinoline (Flectol H).

### GENERAL REMARKS

- (1) Traces of compound adhering to the hands can be removed with most industrial hand cleaners, e.g. Swarfega.
- (2) Good adhesion to moulded plastic and metal surfaces, but it is essential that the surfaces are clean and dry and are non-greasy.
- (3) Suitable solvent - White Spirit.

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