



**Prysmian**  
Group

# G101

## Hot Pour Bitumen Compound

### Handling Instructions

Prysmian BICON G101-123 Hot Pour Compound is heated prior to pouring. Protective clothing should be worn to prevent accidental skin burns. This should include gloves, boots, overalls and eye protection.

It is important that G101-123 Hot Pour Compound should be heated in a dry compound bucket, which should be cleaned out by heating and scraping prior to re-use. It is important that the container is clean to prevent carbonised deposits being introduced from previous heating operations.

The compound should be transferred into the bucket and placed over the heating apparatus. A lid or cover should be fitted to keep out dust and foreign matter while heating. As the compound melts, it should be stirred frequently to ensure even mixing, thus avoiding the risk of carbonisation. The lid should be replaced on each occasion.

The compound shall be uniformly heated with no signs of degradation (carbonisation) or contamination and then poured within the specified temperature range.

Where a compound has solidified in the bucket, it is dangerous to try to remelt it by direct heat applied to the bottom. Again, this can cause carbonisation. Heating should be gradual, starting on the container sides as above.

The compound will tend to contract on cooling. As a result there will be a necessity for a 'top-up' pouring.

### Specifications

Compound Selection			
Part Number	New Prysmian Part Number	Reference Number	Description
UG101123	CGBUG101123	CGBUG101-123	G101Hot Pour Compound 10kg Drum

#### Technical Characteristics of G101 (G101-123):

Class:	II.
Solubility in carbon disulphide:	99.8%.
Softening Point (Ring and Ball):	52°C - 58°C.
Pouring point:	120°C - 132°C.
Temperature range for pouring:	120°C - 130°C.
Flash point:	>260°C.
Mineral matter (ash):	<0.2%.
Penetration:	38-48mm.
Adhesiveness:	100%.
Freedom from acidity:	3.5 mg KOH/g (max).
Freedom from injurious sulphur:	Copper clean.
Resistance to moisture:	Water clear.
Contraction:	6.6%.
Coefficient of expansion:	0.0006/°C.
Depth of pipe:	16mm (max).
Specific gravity:	1.03g/cm <sup>3</sup> .
Coal tar derivatives:	Nil.
Dielectric Strength Proof Test (1 min, 600C, 12.5mm spherical electrodes 1.25mm electrode gap):	>25kV.
Insulation resistance at 15°C:	>5 x 10 <sup>10</sup> megohms.
Permittivity at 15°C:	2.27.
Power factor at 15°C:	0.02.

#### 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