

# DRAGONKRAFT

## THE BIO-RESIN SPECIALISTS

### 102R197 TECHNICAL DATA

Bio-based resin for use with Dragonkraft Hardener systems with 97% renewable carbon content.

#### GENERAL DESCRIPTION

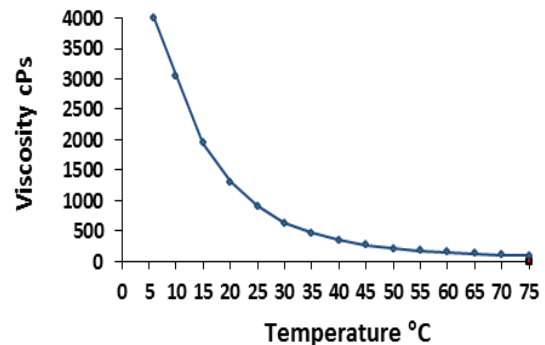
The 102R97 Dragonkraft Epoxy resin requires no hardener system as it cures under the action of UV light (natural or artificial). It forms a high strength film with a flexible, non-brittle, non-chalking and low shrinkage finish. It also offers good wet out properties, is self levelling and cost effective.

Dragonkraft Epoxy resins have a very high renewable carbon content and being from a natural source, the 102R197 resin has a low odour, is non-hazardous and BPA free.

It is usually used alone with UV light or sunlight to cure the resin. The 102R97 resin can additionally be used with Dragonkraft 201H20 where UV lights will also accelerate the cure.

#### PROPERTIES

Description	An epoxidised plant oil with UV activator/performance booster
Appearance @ 45°C	Pale Yellow Oil
Density @25°C	1.034
Colour (Gardner)	3
Epoxy Equivalent weight	171
Viscosity	See Graph opposite
Shelf Life	At least 12 months in unopened container at <40°C



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When used alone the 102R97 will cure in sunlight at between 3 – 30 minutes depending on the UV intensity and thickness of resin used. Under lab conditions sheets 5mm thick have cured in the UK winter sunshine in 30 minutes. The finish once cured is >65 shore D.

For data where the 102R97 is used with a hardener please see the relevant hardener Technical Data Sheet.

### STORAGE

All components should be stored at room temperature in sealed containers to prevent moisture ingress and contamination.

The 102R97 Resin will winterise at temperatures less than 10°C but this is easily reversible through warming to 30-40°C and repeated cycles has no detrimental effect on the performance of the resin.

### SAMPLING

Samples of this novel technology are available but as all formulations are the propriety information of Dragonkraft Europe the standard Dragonkraft Non-disclosure agreement must be completed prior to any sample or MSDS being supplied.

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