



Macroplast EP 3316 / EP 5316

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PRODUCT DESCRIPTION

Macroplast EP 3316 / EP 5316 provides the following product characteristics:

Technology	Epoxy
Product Type	Epoxy potting compound
Cure	Polymerisation
Components	Two-component
Application	General assembly
Appearance (Component A)	Grey
Appearance (Component B)	Green
Appearance (Mixture)	Grey
Mixing Ratio, by weight Part A: Part B	10 : 1
Mixing Ratio, by volume Part A: Part B	100 : 19

Application Areas

Macroplast EP 3316 / EP 5316 is a medium viscosity 2-component potting compound with a controlled exothermic heat evolution designed with F&DA requirements in mind. Handling strength can be achieved in 2 hours and the product has good performance at elevated temperatures.

TECHNICAL DATA

Component A

MACROPLAST EP 3316:

Viscosity at 25 °C, mPas	25,000
Specific Gravity, g/cm ³	1.8

Component B

MACROPLAST EP 5316:

Viscosity at 25 °C, mPas	200
Specific Gravity, g/cm ³	0.96

Mixture (Component A + B):

Viscosity at 25 °C, mPas	7,000
Specific Gravity, g/cm ³	1.67
Cure Time at 25 °C, hrs.	
Potlife (100 ml):	15 (min.)
Potlife (thin Film):	30 (min.)
Initial setting time:	12
Full strength:	12
Cure Time at 40 °C, hrs.	
Full strength:	2
Cure Time at 60 °C, hrs.	
Initial setting time:	0.5
Full strength:	1

*On Composites this adhesive is capable of strengths similar to that achieved on steel but in most cases delamination on the composite will occur before this load is reached. On Aluminium & Copper alloys the modulus and thickness of the metal will define the ultimate bond strength achieved.

DIRECTIONS FOR USE

Preliminary Statement:

Prior to application it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment:

The substrate should be clean, dry, free of dust, oil, grease and other contaminants.

Application:

The adhesive is only to be used within a limited time (pot life). Therefore only the amount that can be applied within the time of pot life should be mixed. Thoroughly mix resin (A) and hardener (B) in the correct proportion.

Cleaning:

Uncured mixed adhesive or the hardener alone, on tools or brushes can be cleaned off with hot water. The resin component alone requires a solvent (e.g. Acetone).

Classification:

Please refer to the corresponding **safety data sheets** for details on:

Hazardous Information

Transport Regulations

Safety Regulations

Storage:

When stored in the original unopened containers at 18 to 25°C, the shelf life of this product is 12 months from the date of production.

ADDITIONAL INFORMATION

Disclaimer:

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.

This datasheet replaces all former versions.

Reference 0.0