

Provisional Data Sheet

PRODUCT DESCRIPTION

Genable 3100 is an optimised dispersion of graphene nanoplatelets and non-metallic ion-exchange pigment, stabilised in epoxy resin (EEW = 190g/eq.).

Genable 3100 is a metal-free, graphene-enhanced, active, anti-corrosion additive offering outstanding performance in industrial coatings on steel and aluminium substrates.

PRODUCT INFORMATION

Appearance	Black liquid
Matrix	Epoxy Resin (EEW = 190g/eq)
Density (g/ml)	1.0 – 1.4
Viscosity (Pa.s)	10 - 30
Particle Size - D90 (microns)	< 25
Shelf-Life	9 Months

USAGE

This dispersion is produced using AGM's proprietary manufacturing processes. The product is optimised to be incorporated into industry systems under medium shear. Please ensure that following the addition of the dispersion the system is fully homogenised.

DIRECTIONS OF USE

Please stir well before use. The dispersion may develop slight sedimentation during transport or storage. If this is the case the dispersion can be recombined by mechanical mixing.

STORAGE

Store in accordance with local regulations. The product should be stored in the original container, at room temperature (ideally, >20°C to prevent crystallisation), in a dry, well-ventilated location away from direct sunlight. Keep away from incompatible materials and food and drink. Keep the container tightly sealed.

If the **Genable 3100** crystallises on storage, the product can be restored to its original condition by warming to 55 – 65°C, with stirring.

SAFETY

Wear appropriate PPE. Use the minimum quantity of product required for a particular process. Use only in well-ventilated areas, preferably in an enclosed system. Provide appropriate exhaust ventilation at places where aerosols/dust may be formed. Handle and open the container with care. Keep in the original container or an approved alternative made from a compatible material. Always close containers tightly after removal of the product. Empty containers retain product residue and can be hazardous. Do not re-use the container. Dispose of materials in accordance with local regulations.