

Resoltech ET 286 A

HARDENER ET 286 B

VI - 04.07.2024

Self-extinguishing epoxy system for molding & encapsulation

DESCRIPTION

ET 286 A/B is a 2K self-extinguishing epoxy system with excellent mechanical properties and chemical resistance. Particularly recommended for protecting and insulating electrotechnical equipment subject to severe climatic conditions or must have excellent fire resistance.

KEY POINTS

- Self-extinguishing
- Good chemical resistance
- Different color available

APPLICATION

- Rehomogenise resin part before use
- Use on clean and dry substrat
- Possible to preheat mould and part if necessary

HEALTH & SAFETY

Skin contact must be avoided by wearing protective nitrile gloves & overalls or other protective clothing. Eye protection should be worn to avoid risk of resin, hardener, solvent or dust entering the eyes. If this occurs flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention. Ensure adequate ventilation in work areas. Respiratory protection should be worn with ABEKP coded filters. Resoltech issues full Material Safety Data Sheet for all hazardous products. Please ensure that you have the correct MSDS to hand for the materials you are using before commencing work.

TECHNICAL DATA

System	ET 286 A/B
Mixing ratio by weight	100/13
Mixing ration by volume	100/21
Resin density	1.60 ± 0.05
Hardener density	0.97 ± 0.05
Mix density	1.49 ± 0.05
Resin viscosity at 23 °C [mPa.s]	12 000 ± 1 800
Hardener viscosity at 23 °C [mPa.s]	63 ± 9
Mix viscosity at 23 °C [mPa.s]	2 000 ± 300
Gel time, 70 mL at 23 °C	80 ± 20 min
Shore D hardness at 23 °C	86 ± 3
Dielectric constant at 25 °C under 50 Hz/100kHz	3.4/3.3
Dissipation factor at 25°C under 50 Hz/100 kHz	0.011/0.005
Dielectric strength	32 kV/mm
Service temperature	-30 °C to +155 °C
Water absorption after 24h at 25°C	0.09 %
Linear shrinkage	<1 %

Density : ISO 1675
Viscosity : ISO 12058 or rheometer, 20s⁻¹, 2 min
Gel time measured with Rheotech®
Hardness Shore D : ISO 868

TRANSPORT & STORAGE

Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area. Our products are guaranteed in their original packaging (check expiry date on the label).

! The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.