

Resoltech ET 286 A

HARDENER ET 286 B

V2 - 03.02.2026

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

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).

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	3.08/2.89
Dissipation factor at 25°C under 50 Hz/100 kHz	0.0239/0.0118
Dielectric strength	28.4 kV/mm
Thermal conductivity	0.67 W/mK
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, gap 1 mm
Gel time measured with Rheotech®
Hardness Shore D : ISO 868

! 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.

HEALTH & SAFETY

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.

The information below is valid for MSDS – ET 286 A version 4.x and MSDS – ET 286 B version 5.x.

Personal protection equipment :



1 Resin part



GHS07

GHS09

Signal word : Warning

Hazard statements :

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements :

P102 - Keep out of reach of children.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2 Hardener part



GHS05

GHS07

GHS08

GHS09

Signal word : Danger

Hazard statements :

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H361 - Suspected of damaging fertility or the unborn child. Repr. 2

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements :

P102 - Keep out of reach of children.

P202 - Do not handle until all safety precautions have been read and understood.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.