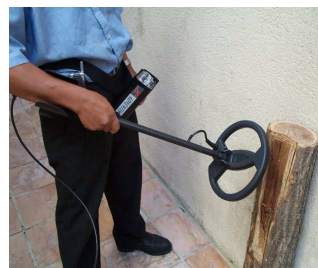


Low density Epoxy Casting System

- Low density casting epoxy system with low exothermic peak
- Ambient temperature curing
- 15 min to 10 h hardeners



The 2010HP system is a low density **epoxy casting system** that cures at ambient temperature. It is formulated for the realisation of flexible floor joints that need a high mechanical and chemical resistance.

Its main characteristics are:

- 0,7 kg/m³ density
- Excellent air release properties thanks to the additives used and its manufacturing process
- Excellent chemical resistance.
- Easy application with from 10 minutes up to 10 h of pot life according to the hardener used
- Excellent adhesion on all kind of substrates.
- Very good resistance to detergents, solvents, Oil derivatives, alkaline solutions and diluted acids.
- "Transparent" to microwaves and radio waves.

MIXING RATIO

| | By weight | |
|------------------|-----------|--|
| 2010HP | 100 | The mixing ratio must be accurately followed. It is not possible to change the ratio, it would result in lower mechanical properties. The mixture should be mechanically stirred during no less than 5 minutes to ensure full homogeneity. |
| 2013HP to 2019HP | 31 | |

Keeping the mixture in flat open containers reduces the risks of exothermic reaction.

APPLICATION

The standard procedure of working with epoxy systems applies to the RESOLTECH 2010HP. Mixing the resin and hardener should be done above 5 °C. It is recommended to proceed to a small test before industrial size application. It is required to deglaze, clean and degrease the support prior to casting. Thoroughly mix the two components with a mechanical stirrer on a drill during 5 effective minutes.

Physical & Mechanical Properties @ 25°C

Resin 2010HP

| | |
|-------------|--------------------------------------|
| . Nature | Epoxy resin with additives & charges |
| . Aspect | Black liquid |
| . Viscosity | 70000 mPas |

Hardeners 2013HP to 2019HP

| | |
|-------------|--|
| . Nature | Aliphatic modified amines |
| . Aspect | Colourless liquid |
| . Viscosity | 29 to 429 mPas according to hardener (the faster the more viscous) |

Resin/hardener mixed properties

| | |
|--------------------------------------|--|
| Mixed density: | 0,7 gr/cm ³ |
| Mixing ration by weight | Resin + Hardener = 100 + 31 |
| Pot life on 100g at 25°C | 15 min (2019HP) to 10 hours (2013HP) according to hardener |
| Releasable @ 25°C in 5mm. thickness: | 4 hours (2015HP) |
| Curing - Maximum resistance: | 14 days @ 20°C or 15h @ 60°C. |
| Shore D hardeness: | 75 |
| Max elongation to break | 4% |
| Glass Transition Temperature TG: | 75°C |
| Fire resistance UL 94 HB: | V3 |

2010HP

Hardeners 2013HP to 2019HP

LABELLING

2010HP



Irritant



Dangereux pour l'environnement

2013HP



Corrosif

2014HP to 2019HP



Irritant



Dangereux pour l'environnement

PACKAGING

| | |
|---------------|--------------------|
| 0,655 kg Kit: | 0,5 kg + 0,155 kg. |
| 7,4 kg Kit : | 5,65 kg + 1,75 kg. |
| 19,65 kg Kit: | 15 kg + 4,65 kg. |

HEALTH & SAFETY

It is advised to follow basic rules such as avoiding skin contact, wear masks when producing dust. Please read our standard health and safety sheet for more information.

In case of eye contamination, wash with water and seek medical advice.

TRANSPORT & STORAGE

Shelf life is at least one year in sealed containers as provided. Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area.

Nota 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.



35, impasse Emeri • Pôle d'activités
13510 EGUILLES • FRANCE
Tel : +33 4 42 95 01 95 • Fax : +33 4 42 95 01 98
export@resoltech.com • www.resoltech.com