



X120

Adhesive

Special features

- For installing optical fibers or fiber Bragg grating based sensors


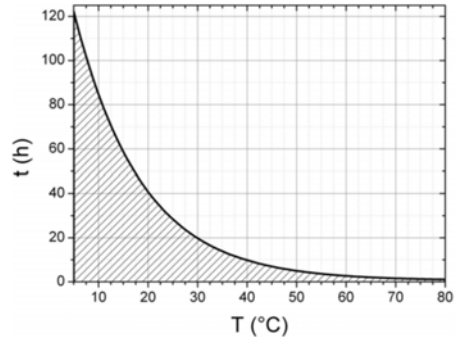
Description

The **X120** is a **bi component cold curing epoxy**, especially selected for installing **optical fibers**. It is compatible with most **fiber Bragg grating based sensors** that are to be fixed by gluing, including bare fibers. The mixture can also be used as a **protective layer** to cable paths and sensors.


The X120 is supplied in a **50 ml cartridge**, with **two mixing nozzles** and requires the usage of an **applicator** for the components mixture and application. Extra nozzles can also be ordered separately.

Benefits and applications


- Easy usage
- Excellent strain transfer

| X120 | | Resin | Hardener | |
|-------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------------------------------------------------------------------------|-----|
|  | Material | n.a. | Epoxy resin | |
| | Color | n.a. | Black | |
| | Consistency | n.a. | Pasty | |
| | Viscosity ¹⁾ | Pa.s | 520 | 100 |
| | Percentage of solids | % | 100 | |
| | Specific weight | g/cm ³ | 1.0 | |
| | Mixing ration | n.a. | 2 | 1 |
| | Pot life ¹⁾ | min | 90 | |
| | Operating temperature | °C | -55 ... 120 | |
| | Storage temperature | n.a. | Room temperature | |
| | Shelf life | months | 12 | |
| | Cartridge size ²⁾ | ml | 50 | |
| | Inc. mixing nozzles | un. | 2 | |
| | Curing time chart | h/°C |  | |

Ordering information: 1-X120

| Applicator | | | |
|-----------------------------------------------------------------------------------|----------------|----|----|
|  | Cartridge size | ml | 50 |

Ordering information: 1-APPLICATOR

| Mixing nozzles | | | |
|------------------------------------------------------------------------------------|----------------|----|----|
|  | Units per pack | un | 12 |

Ordering information: 1-MIXING NOZZLE

- 1) At room temperature.
- 2) For projects where high quantities of X120 is needed, bigger cartridges can be ordered. Please contact your local HBM supplier or HBM FiberSensing for a dedicated quote.

Subject to modifications.
All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

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