

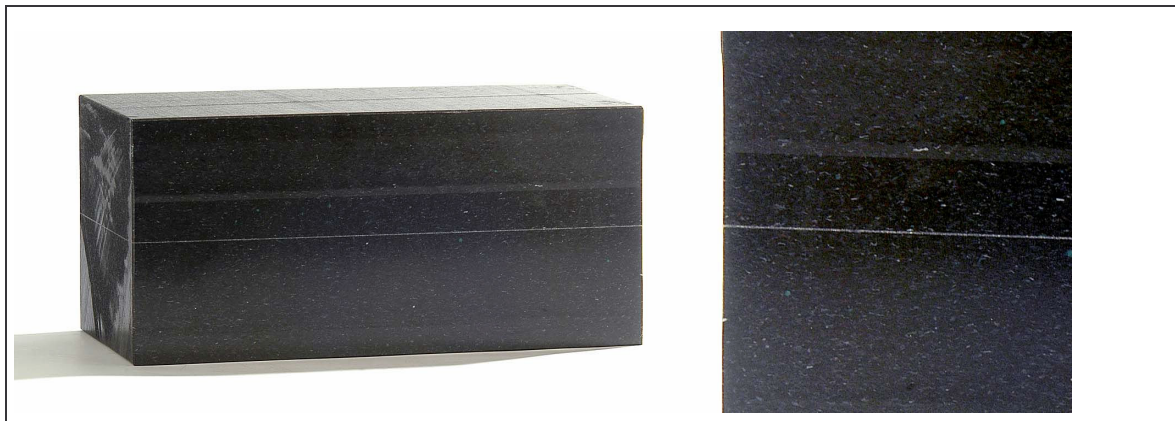
## Product information

### Wefapress-8005

#### Adhesion of Wefapress PE-HMW and UHMW

Wefapress-8005 is a viscoplastic, solvent-free two-component construction adhesive that hardens at room temperature. The product has been developed for the structural adhesion of low energy plastic materials like PE and PP without surface pretreatment such as corona, plasma, etc. Wefapress-8005 is not suitable for PTFE, silicones and rubber-type elastomers. The characteristics of Wefapress-8005 are as follows:

- high solidity
- short processing time
- fast hardening
- excellent water-, humidity- and medium resistance



**Surface pretreatment:** The surfaces have to be dry, free from dust, oil and other contaminants. Normally a surface pretreatment which produces an unbroken water film on the material is sufficient.

**Application:** The best processing temperature for the construction adhesive and the material is between 20°C and 25°C. By applying the adhesive evenly to a thickness of 0.2 to 0.3 mm you will get a superbly solid bond. Direct connection of the plastic elements is avoided by adding glass beads to the adhesive material. Due to this guaranteed distance an optimal solidity is achieved.

**Operating instructions:** Prepare the manual device to apply the adhesive with a feed piston of 10:1. Put the cartridge into the holder and fasten it. Remove the closing cap and dispense a small quantity of adhesive until each of the components are well flowing. Put on the mixing jet and apply the adhesive. Then remove the mixing jet, clean the outlet of the cartridge and put on the closing cap.

**Hardening:** Hardening takes place at room temperature, but can be accelerated by heat. Some adhesives harden so fast that the parts are ready for subsequent processing already after 2 to 3 hours.

## Technical Date Sheet

|                                  |                       |                        |
|----------------------------------|-----------------------|------------------------|
| Material designation             | <b>Wefapress-8005</b> |                        |
| Adhesive basis                   | Methyl methacrylate   |                        |
| Hardener basis                   | Amine                 |                        |
| <b>Properties</b>                | Unit                  | Value                  |
| Specific gravity (basis)         | g/cm <sup>3</sup>     | 0.98                   |
| Specific gravity (hardener)      | g/cm <sup>3</sup>     | 1.07                   |
| Ready for processing after       | min                   | 2.5 - 3                |
| Subsequent processing time       | h.                    | 2 - 3                  |
| Glass transition temperature     | °C                    | 34 - 38                |
| Shore D hardness                 |                       | 55                     |
| Thermal coefficient of expansion |                       | 6.6 * 10 <sup>-6</sup> |
| Elongation (max.)                | %                     | 5.3                    |
| Strength (max.)                  | MPa                   | 13                     |
| E-module at 1% elongation        | MPa                   | 0.6                    |
| Application temperature (min.)   | °C                    | -55                    |
| Application temperature (max.)   | °C                    | 100                    |
| Flash point                      | °C                    | 122                    |
| 180° Peel strength at 24°C       | N/cm                  | 28                     |
| Tensile shear strength at 24°C   | MPa                   | 5.3*                   |

\*Break in the material

Notes for the user:

Data sheet specifications are made to our today's knowledge. This information does not mean that certain properties are agreed upon or assured. Whether or not a material is suitable for a given application is the user's decision. All specifications are subject to change.

Vreden, April 04