THE INFLUENCE OF TEMPERATURE ON THE CURING OF TWEHA PREFIX X-TRA

Temperature has a significant influence on the curing of TWEHA PreFix X-tra.

TWEHA PreFix X-tra is cured through a chemical reaction between its two components — resin and hardener. This reaction is *exothermic*, meaning that heat is released during curing. The heat generated contributes to the curing process of TWEHA PreFix X-tra.
As a result, there are two key factors that strongly affect the curing time of TWEHA PreFix X-tra: the ambient temperature and the total amount of material applied.

Working and Curing Time

The specified working time (*pot life*) of TWEHA PreFix X-tra generally applies at a temperature of 21°C.
For TWEHA PreFix X-tra, higher temperatures shorten the working time and accelerate curing.

- When the ambient temperature is lower, the working time will be longer, and curing will take more time.
- When the ambient temperature is higher, the opposite occurs: the working time is shorter, and curing is faster.

TWEHA PreFix X-tra is available with a type of hardener suitable for use from 5°C upwards. It has a working time of approximately 25 minutes at 20°C and reaches its final strength after about 12 hours.

Low Ambient Temperature

You can also use the universal TWEHA PreFix X-tra at low temperatures, provided that a longer curing time is not an issue. The curing process of TWEHA PreFix X-tra will stop when the temperature drops below zero. Once the temperature rises again, curing will resume.

High Ambient Temperature

At higher temperatures, the working time of TWEHA PreFix X-tra will be significantly shorter. Take this into account and prepare smaller quantities that can be applied within the reduced working time.

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