

## Jet-Weld™ Thermoset Adhesives

### 3M™ Jet-Weld™ Thermoset Adhesive System

3M™ Jet-Weld™ adhesives are one-component structural adhesives which do not require stirring. They provide short mounting times as they first behave as melt adhesives (manipulation strength) and after cooling they are immediately hardened in the reaction with air humidity (structural strength).



Easy and fast application and at the same time a structural strength bond.

3M™ Jet-Weld™ adhesives provide bond strength and operational properties similar to two-component adhesives without the need for long fastening or catching. Everything that is usually needed is a simple straightening with a hand.

Jet-Weld™ adhesives provide a sufficient time for placing or moving the bonded parts to the right position. Then, in a few seconds after pressing, they harden into the manipulation strength. The full strength is reached within about 20 minutes up to several hours in dependence on the material and the application.

#### Materials suitable for Jet-Weld™ adhesives:

- Wood

- Plastics (including flexible PVC)
- Glass
- Leather
- Fabric
- China

Jet-Weld™ is applied with a manual melting gun but it can also be applied by rolling, spraying or with a slot nozzle of special applicators. The adhesive temperature for application is 120°C.

## Nozzles



Nozzle opening diameter	Recommended for
Ø 1.58 mm	Application with low flow
Ø 3.18 mm	Application with high flow
Ø 1.83 mm length=31.75 mm	Easier application to hard accessible surfaces

When the gun is not used, cover the tip with a cap to prevent hardening of the adhesive in the nozzle.

## Adhesive Types

Type	Color	Opening time	Application time	Properties
<b>TE030</b>	white	1 min	30 s	Wood and some plastics.
<b>TE031</b>	white, black	2 min	30 s	Plastics.
<b>TE100</b>	white, black	2 min	1 min	Wood and some plastics.
<b>TE200</b>	white	4 min	2 min	A long opening time, a thin bonded joint.
<b>TS230</b>	white, black	4 min	2.5 min	General use for bonding various materials, including glass and aluminum..
<b>TE430</b>	white	6 min	4.5 min	A very long opening time, a thin bonded joint.