

## Use of the Repair Material (reference)

NOTE: Follow the materials manufacturer's instructions.

The use of a special polyester putty for PP bumper is described here:

### 1. Filler

Mixing Ratio:

Putty	Hardener
100	2~3



Hardening starts immediately after mixing.  
Available time: 6~9 minutes / 68°F (20°C)



Almost hard: 15 minutes



Completely hard: More than 30 minutes

Drying Time:

Air dry 68°F (20°C)	3 hours
Force dry 140°F (60°C)	30 minutes

### 2. Sanding filler

Spray the bumper primer (see page 6-15) on the area where the PP material was used.

### 3. Primer surfacer

The primer surfacer is used to protect the PP resin surface and fill cavities or flaws before the intermediate coat and top coat.

Use the 2-component type primer surfacer (gray).

Mixing Ratio:

Primer Surfacer	Hardener
10	1



30~60% is diluted with thinner.

### 4. Intermediate coat and top coat

Use the 2-part polyester urethane top coat.  
Top coat is also used for an intermediate coat.

Mixing Ratio:

NOTE: Be sure to mix the correct amount of the hardener and softener.

Top coat	Softener
10	1



Top coat + Softener	Hardener
10	1



30~60% is diluted with thinner.

NOTE: Use a spray gun to apply the paint. Do not use a brush.

Drying Time:

Air dry 68°F (20°C)	6~10 minutes Touching by the finger.
Almost hardened	12~24 hours
Thoroughly hardened	96 hours

Force dry the intermediate coat and top coat.

NOTE: Mix only an amount that can be used before it hardens.