

# Standard Application Procedure

Process Description: Create Living Hinges  
Applicable Technologies: FDM  
Revision Level: A  
Revision Date: May 2007

~~Proto-Plasma-Rx~~

~~Proto-Plasma-Rx~~

~~Proto-Plasma-Rx~~

RP Tempering Compound

Proto-Reinforcement Coating

Proto-Reinforcement Coating

Living

Hinge

## Supplies Needed:

- RP Tempering™ Compound
  - Loading Extractor
  - Injection Extractor
  - Squeegee
- Proto-Reinforcement© Coating
- Proto-Plasma-Rx™
- Rags or Paper Towel

Step 1: Gather the above supplies.

Step 2: Ideally the living hinge wall should be .015" to .020" thick to achieve the best results.

Step 3: Following the Compound Application Procedure for Proto-Reinforcement© apply 2 layers of the Proto-Reinforcement© using a brush to the living hinge plus 1/8 inch over onto the adjacent surfaces, waiting 1 minute between coats.

Step 4: Following the Compound Application Procedure for RP Tempering™ - Injected, apply the RP Tempering™ compound with the injector to the living hinge and smooth using the squeegee or small brush for tight areas.

Step 5: Following the Compound Application Procedure for Proto-Plasma-Rx™ spray on 3 coats of Proto-Plasma-Rx™.

Step 6: Allow 12 hours dry time to achieve full capability of the living hinge.

Step 7: To initially break in the hinge, start by gently flexing it small amounts for 5-6 iterations before subjecting it to normal hinge activity.