

Compound Application Procedure

Compound Description: RP Tempering™ Compound - Brushed On
Applicable Technologies: SLA, SLS, FDM
Revision Level: A
Revision Date: May 2007

Legend: ■ -Application Notes ● - Work Content ▲ -Inspection

- RP Tempering™ Compound is a compound coating with MWCNT (Multi-Walled Carbon Nanotubes) that is fast drying and easy to apply.
- RP Tempering™ engineered layering techniques™ with Proto-Reinforcement© and/or Proto-Plasma-Rx™ are recommended in combination with RP Tempering™ Compound to achieve superior results.
- Do not shake the container before use.
- Secure the following materials and tools:
 - Regular or foam paint brush appropriate for the size of the part
 - RP Tempering™ Compound
 - Paper Towels
- Take off the lid of the RP Tempering™ Compound.
- Dip brush into compound. Working in small areas, apply the compound to the desired surface finish, working quickly.
- ▲ As the compound is applied to the surface of the part, if it becomes sticky resulting in a poor surface finish, smooth with a small amount of Proto-Reinforcement on a brush. Be careful not to saturate the surface, it should just be a light coat to help smooth the surface.
- Wipe any excess compound with a paper towel
- Make sure the lid is put tightly on the RP Tempering™ compound can.

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- Average material usage for RP Tempering™ Compound is 800 square inches when brushed on, 7200 linear inches of tunnels and “V” Grooves.
- It will take 12 hours for RP Tempering™ Compound to cure, but the parts can be handled and shipped within one hour.
- Never wait more than an hour to apply the next layer of coating. This applies to the same or other tempering coatings and materials. This may damage the previous coat breaking down the chemical materials.