

**TECHNICAL DATA SHEET**  
**(MPST)**

“Multi-purpose toppings (resurfacing) on concrete floor.”

<p><b><u>PRODUCT DESCRIPTION</u></b></p> <ul style="list-style-type: none"><li>• Is a high-quality, polymer formulated to be mixed with portland cement and sand, for resurfacing concrete floors.</li><li>• When MPST is combined with Portland cement and sand, it becomes a highly mobile, thin-bond resurfacer that is easily workable, but with controlled sag and flow characteristics.</li><li>• Its adhesion and flexibility characteristics allow application to variety of surfaces to produce a new, bondable surface compatible with essentially all types of coatings, flooring adhesives and floor covering materials.</li><li>• Is user friendly, environmentally safe, odorless, non-flammable, surface penetrating unique multi-purpose coating/topping material.</li></ul> <p><b><u>BASIC USE</u></b></p> <ul style="list-style-type: none"><li>• MPST is ideal for resurfacing old, worn, rough, or abraded concrete surfaces prior to installation of floor covering materials.</li><li>• If floor coverings are not to be used, MPST will provide an attractive finish that is extremely durable. It provides a breathable membrane that further limits the moisture vapor transmission process. The membrane becomes incredibly hard with elastomeric properties.</li><li>• When properly installed, calcium chloride test readings will be at levels of most flooring manufacturers’ specifications (If readings are above 5 before MPST application, apply SEAL100 first to concrete).</li></ul>	<ul style="list-style-type: none"><li>• MPST is a protectant, dustproofer and waterproofer. Protection of the floor will continue throughout the life of the concrete slab.</li></ul> <p><b><u>PRIMARY APPLICATIONS</u></b></p> <ul style="list-style-type: none"><li>• Excellent for resurfacing old, worn, rough, or abraded concrete surfaces prior to installation of floor covering materials.</li><li>• If floor coverings are not used, MPST will provide an attractive finish that is extremely durable.</li></ul> <p><b><u>FEATURES AND BENEFITS</u></b></p> <ul style="list-style-type: none"><li>• Mix with sand and cement to create a highly mobile (but with controlled sag and flow characteristics), extremely hard, durable topping.</li><li>• Can be mixed with thin or thick for use as self-leveling or towel-on grout.</li><li>• Provides extra strength, integrity, flexibility, and optimum finish on subfloors for adhesive bondability.</li><li>• Reduces moisture vapor transmission.</li><li>• Waterproofs concrete, yet allows it to breathe and move.</li><li>• Provides chemical/ acid resistance.</li><li>• Easy to use and safe to apply.</li><li>• Balances pH levels and remains resilient.</li><li>• Long lasting.</li></ul> <p><b><u>DIRECTIONS FOR USE</u></b></p> <ul style="list-style-type: none"><li>• Always start with a clean bare floor. Remove all residual adhesives, dirt, grease, curing compounds similar, etc.</li></ul>
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- Mix proportion: add to each gallon MPST, base solution: 3 to 6 pounds of Portland cement and an equal amount of clean, washed sand (3 pounds each produces a thin topping; 6 pounds each creates a grout-like consistency).
- Mix procedures: add cement to MPST continuously until it reaches a smooth consistency (no lumps). Now add sand and mix until free of lumps. Immediately wash mixing equipment.
- Apply mix at the rate of 75 to 300 square feet per gallon (depending on profile of floor). Pour enough mixture on floor and let self-level, or spread uniformly, depending on fluidity.
- Let dry to a non-tacky state, so soft-soled shoes don't mark it. Good ventilation/ heat accelerates drying time.

**TECHNICAL DATA**

- Product type: proprietary aqueous dispersion
- pH range: 7-8
- VOC/VOS content: insignificant trace of VOC
- Color: milky white
- Dried color: clear
- Specific gravity: 1.04
- Elongation at 3 & 10 mils: 100 to 400-500%
- Flash point: none
- Fire decomposition products: CO, CO<sub>2</sub>, NO<sub>x</sub>
- Solid content: 25-30%
- Freeze point: 32F
- Freeze harm: possible, but not likely
- Storage temp min: 55F (10C)

**PACKAGING**

MPST is packaged in

- 5 U.S. gal pails.
- 55 U.S. gal drums.

**PRECAUTIONS**

- Protect areas not intended for coverage, as product is very difficult to remove later. If contact occurs, remove immediately with water and rags.
- Do not apply when ambient temperature drops below 55F.
- MPST has a minor, almost insignificant trace of VOC. Incidental skin contact is not hazardous, but ingestion or eye contact should be avoided.
- For more information, refer MSDS.

