



Technical Data Sheet

SAMAN EXTREME (semi-gloss, satin) / SAM-760,
SAM-735

DESCRIPTION

Saman Extreme is a water based 100% urethane finish formulated especially for heavy traffic commercial and residential hardwood floors. It will provide a non-yellowing and highly durable finish, with the added benefits of low odor and fast drying time. Saman Extreme takes advantage of the aluminium oxide technology for exceptional surface hardness and abrasion resistance.

PRODUCT SPECIFICATIONS

pH: 8.2-8.6

Solids: 32% (by weight); 29% (by volume)

Viscosity: 26-30 seconds (#2 Zahn cup)

Density: 1.04-1.06 kg/l

Drying time: 1-3 hours at 70°F and 50% relative humidity

Coverage: 500-600 sq. ft./gal. (bare wood); 600-700 sq. ft./gal. (stained or sealed wood)

VOC: 260 g/l

Gloss levels: semi-gloss 40-50%, satin 20-30% (measured at an angle of 60°)

Catalyst: ½ oz. of AT-Catalyst per 32 oz. of finish (pot life: 24 hours once catalysed)

Recommended applicators: brush, flat pad applicator, lint free 6 mm roller, T-bar applicator

Clean up: Clean applicator and equipment with water.

Storage: minimum temperature 41°F, maximum temperature 95°F. Freeze-thaw stable (if frozen, thaw completely before using).

KEEP OUT OF REACH OF CHILDREN.

Shelf life: 1 year in unopened container.

APPLICATION

Surface preparation

Make sure surfaces are completely free of wax, dirt, grease and construction contamination.

New work:

1. Sand floor using accepted NOFMA or NWFA procedures. All old finish should be removed. A dust mask should be worn during sanding.
2. Finish sanding with a 120 grit screen or finer grit screen. Do not use steel wool or paint and varnish remover.
3. Vacuum all dust and tack with a clean dry towel until all dust has been removed.
4. Apply a wood stain if the floor is to be stained.
4. Recommended system: 1 coat of Saman Preparation + 2 coats of Saman Extreme

Old work:

1. If finish is in good condition, screen with a 120 grit screen or finer grit screen until the gloss is removed. Thoroughly vacuum and tack the floor with a water dampened cloth.
2. Apply 1 or 2 coats of Saman Extreme.

Note: Saman Extreme will adhere to most finishes after proper preparation. It is recommended to make a test area to determine compatibility.

Mixing catalyst

Saman Extreme may be used with or without catalyst.

While stirring finish, slowly add AT-Catalyst to finish. Continue to stir for 30 seconds. Let stand for 5-10 minutes before applying.

Finish application

For best results, the wood humidity should be lower than 12%, the ambient temperature between 60°F and 80°F and the relative humidity between 30% and 80%. Always maintain adequate ventilation during all phases of the coating and drying process.

1. Mix thoroughly by gently stirring, paying special attention to the satin finish.
2. Apply the finish following the wood grain. To prevent lapping and dry marks, be sure you are using the recommended coverage. Be careful not to apply too thin.
3. Allow to dry 1 to 3 hours before abrading and applying next coat. Low temperature, high humidity, as well as cool damp conditions will delay drying. Warm the area to recommended temperature or allow extra drying time.

Curing

Wait 24 hours before allowing light traffic on the final coat. The curing process takes approximately 7 to 10 days (75% cured after one day, 90% after 3 days). Place rugs after one week.