

Hydrothane HT

Water Based, Oil Modified Urethane, Wood Finish For Gymnasiums And Other High Traffic Floors



Hydrothane HT provides outstanding durability and gloss in an easy-to-apply, low odor, low VOC finish. Hydrothane HT is formulated for use on gymnasium and other high traffic areas like restaurants, retail stores, shopping malls, and office buildings. Hydrothane HT's single-part formulation provides comparable durability to two-part, crosslinked finishes without the risk of catalyzing too much material that would have to be discarded. Hydrothane HT's low odor formulation is a pleasure to work with, levels well, builds quickly and dries in approximately two hours. Hydrothane HT is non-flammable, utilizes green chemistry and has a low VOC content of 150 grams/liter that complies with all current State and Federal Volatile Organic Compound Regulations.

APPLICATION & MAINTENANCE

NOTE: If the composition or origin of an existing finish is unknown, it is strongly recommended that a test patch be applied to determine compatibility and adequate adhesion characteristics. **Floor temperatures** of 65-70°F and humidity conditions of less than 40% are optimal for the application of Hydrothane HT. Gymnasiums with forced hot air heating systems can often experience 10° or greater differences in air versus floor temperature particularly during the fall and winter months. Hydrothane HT should not be applied if the **floor** temperature is lower than 60° F. We recommend that floor temperatures be taken with a laser or contact thermometer prior to coating. Care should also be taken to insure that heating systems are left on for a minimum of 8 hours during fall and winter months, following the application of Hydrothane HT to allow for complete curing.

NEW FLOOR PREPARATION: Sanding is advisable for new floors and old, badly worn floors. After sanding, sweep or vacuum the floor, and then lightly damp mop with #255 All Prep Cleaner. Avoid wet mopping or flooding unsealed wood surfaces as darkening or raising of the grain may result.

PREPARATION OF SEALED FLOORS IN GOOD CONDITION: Heavily soiled floors should be pre-cleaned thoroughly by damp mopping or push mopping using a solution of #255 All Prep Cleaner diluted per the label instructions. Allow the floor to dry. Heavily soiled floors that display unsealed wood or bare spots should be cleaned with #250 Waterless Cleaner to avoid damaging the wood. Make certain that all Waterless Cleaner residue has evaporated thoroughly from the floor before coating with Hydrothane HT or peeling or adhesion failure may occur. If Hydrothane HT is being applied over a solvent-based finish or a competitor's water-based finish, the floor should be screened using a 120 grit screen disk to remove any existing gloss and create a profile that will provide better finish adhesion. If Hydrothane HT is being applied over a Perma water-based wood finish the floor may be prepared using a 120-140 grit screen disk or a Surface Preparation Pad (SSP) such as 3M's Scotch Brite Type A, maroon pad. Care should be taken to insure that the Surface Preparation Pads used to prepare surfaces for coating are new or in like new condition. The use of worn out pads will result in insufficient deglossing or removal of oxidation from the existing finish and may result in adhesion failure. Floors may be wet buffed using a solution of #255 All Prep and an automatic scrubber or 175-350 Rpm buffing machine. After buffing, damp mop the floor with All Prep to remove any dirt or dust left from buffing.

APPLYING THE FINISH: Apply finish only after floor is thoroughly clean and dry. Apply Hydrothane HT to the floor using a water can or other appropriate device and spread it with a foam flock applicator or T/Drag Bar in a thin, even coat.

APPLYING ADDITIONAL COATS: Although it is not necessary to buff floors to obtain adequate adhesion, lightly buffing will provide the optimum gloss and final finish appearance. When the first coat is completely dry, the floor may be buffed lightly with a floor pad, or fine screen disk. Sweep or vacuum the floor, then damp mop with Wood Glow. Apply any markings, allow to dry and buff. Apply the second coat and buff when dry. Sweep or vacuum carefully, buff surface again and apply a third coat if necessary.

MAINTENANCE: Floors should be dry mopped using mops treated with Aqua Treat Mop Treatment daily. Floors should be damp mopped or washed with an automatic scrubber regularly with #255 All Prep, Easy Mix 1035 or #70 Stand Up to remove fine dust and soil not removed by dry mopping or vacuuming.

SPECIFICATIONS

Color	1 - 2 Gardner
Solids	32 ± 1%
Weight Per Gallon	8.25 - 8.4
Gloss@60	90
Hardness	30 (Sward)
Viscosity	B-C (Gardner)
Solvents	Water-glyco
Flash Point	No flash below 210° F.
Dry Time	Dry to touch 2-3 hours
Water Resistance	8 hours-No effect
Alcohol	1 hour-No effect
Caustic 5%	2 hours-No effect
Soap Resistance	8 hours-No effect
Slip Resistance	(ASTM F-609) 0.6
CoverageMinimum	650 -800 ft ² per gallon
Odor	Minimal
VOC	150 grams/liter

SAFETY INFORMATION

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

Read Safety Data Sheet thoroughly before using.

This material is not a hazardous mixture as defined in 29 CFR 1910.1200. Safety glasses and gloves should be worn during application and handling. If ingested, drink milk, water, or fruit juice and induce vomiting with oil of ipecac. In the event of eye contact, flush area with water for 15 minutes. **Consult with a physician.**



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