

Perdure U45

water-based aliphatic polyurethane (matte)

düraamen
engineered to perform

DESCRIPTION

Perdure U45 is a two component water-based aliphatic (non-yellowing) polyurethane topcoat for concrete and wood surfaces. It is free from the health and environmental problems normally found in solvent-based polyurethanes, while maintaining excellent performance properties. It is a high performance coating for use in variety of seamless floor and wall coating systems. Perdure U45 provides a matte finish suitable in areas like clean rooms, hospitals, pharmaceutical facilities, stained concrete and wood floors.

ADVANTAGES

- Low odor during application and cure
- Fast dry and re-coat time
- Low VOC
- Excellent adhesion
- Superior abrasion resistance

SUBSTRATE REQUIREMENTS

- Substrate temperature must be a minimum of 50° F and relative humidity below 85% for proper curing.
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Cure times will be extended in conditions of high humidity and poor ventilation

COMPOSITION

Perdure U45 is formulated based on aliphatic polyisocyanate.

COLOR SELECTION

Perdure U45 is available in CLEAR and limited pigmented formulations.

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in Düraamen's technical Bulletin #1. Work must be performed by trained or experienced contractors or maintenance personnel.

INSTALLATION STEPS

Mix each component of Perdure U45 prior to combining together. Mix 4 Parts A with 1 Part B.

Mix only that amount of material that can be used in 60 minutes. In hot weather conditions, plan on working during the cooler times of the day. Always try to keep a wet edge during application.

For installation instructions specific to your project, please contact your Düraamen representative.

CLEAN UP

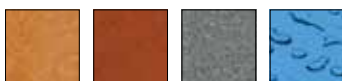
Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

Perdure U45 covers 300–350sq.ft. per gallon at 2-3 mils film thickness. Thicker applications may result in bubbling in the cured film. Recoat time is approximately 8–10 hours at 75°F. Application of at least two coats is recommended in high traffic areas like restaurants, retail shops, schools, etc.

MAINTENANCE

After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Perdure U45 is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smärtgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat. DO NOT leave any type of tape on the sealer for more than 5 to 10 minutes. Test first in an inconspicuous area for compatibility between the tape and the sealer.



düraamen engineered products, inc.

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TECHNICAL SERVICE

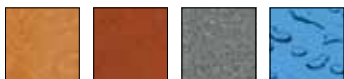
Dūraamen Engineered Products Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

SYSTEM PERFORMANCE PROPERTIES

Viscosity @ 75°F	500-600cps
Mixing Ratio - Clear	4 parts A to 1 parts B by volume
Solids Content - Clear	43% by volume
VOC	0.10lb/ga
Pot life	60 minutes @ 75°F
Dry to Touch	5-6 hours @ 75°F
Re-coat	8-10 hours @ 75°F
Light Traffic	24 hours @ 75°F
Full Cure	5-7 days @ 75°F
Tabor Abrasion, 1000gm load, 1000cycles, CS-17 Wheel	45mg loss
Impact strength ASTM D 2794	
Direct	160in.lbs
Reverse	160in.lbs.

WARRANTY

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