

DESCRIPTION

Perdure U50 is a two-component, chemical resistant, polyurethane coating. The high gloss finish offers excellent abrasion resistance, chemical and stain resistance, and superior color retention. *Perdure U50* can be used equally well on vertical or horizontal surfaces. It is ideal for concrete floors and walls in garages, restaurants, warehouses, storage facilities, aircraft hangars, animal housing, and vehicle maintenance facilities. Available in both clear and pigmented formulations, *Perdure U50* is used as a finish coating option for most *Duraamen* flooring systems.

ADVANTAGES

- Excellent abrasion resistance
- Excellent chemical and stain resistance
- Suitable for both exterior and interior applications
- May be used for both horizontal and vertical applications

COMPOSITION

- *Perdure U50* is a two-component, catalyzed, chemical resistant polyurethane sealer

COLOR SELECTION

- *Perdure U50* is available in CLEAR (gloss or satin) and Duraamen Standard Colors. Custom colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

SUBSTRATE REQUIREMENTS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Minimum application temperature: 40°F (contact *Duraamen* representative for low temperature cure)
- Maximum application temperature: 100°F

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in *Duraamen's* Technical Bulletin # 1. Work must be performed by trained or experienced contractors or maintenance personnel. The *Duraamen* Company's service department is pleased to answer any technical questions.

INSTALLATION

Mix each component of *Perdure U50* prior to combining together. Mix 2 parts of Part A with 1 Part B. *Perdure U50* is normally applied with a brush, short nap roller, or squeegee and back-rolled with a short nap roller. Care should be taken to minimize the entrapment of air caused by over-rolling. *Perdure U50* can also be applied by airless or conventional spray.

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 U50 yields 300 ft² per gallon at 3 mils dry film thickness. Thicker application may result in bubbling in the cured film. Recoat time is approximately 12-16 hours at 75°F.

MAINTENANCE

After completing the application of *Perdure U50*, the installer should provide the owner with maintenance instructions. *Perdure U45* is easily cleaned with neutral soaps or detergents.

AVAILABILITY

Perdure U50 is available throughout the United States and Canada. Contact *Duraamen* representative in your area for details.

TECHNICAL DATA

Viscosity at 75°F	700 – 900cps
Mixing Ratio – Clear	2 parts A to 1 parts B by volume
Solids Content – clear	56% (clear), 65% (pigmented)
Volatile Organic Content	405 gm/L
Weight per gallon	10.5 lb/ga, mixed

CURE/DRY TIME

Pot Life	8 hours @ 77°F
Dry to Touch	10-14 hours @ 77°F
Re-Coat	12 – 16 hours @77°F
Light Traffic	16 hours @77°F
Full Cure	5-10 days

TECHNICAL SERVICE

Duraamen Building & Allied Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

CHEMICAL RESISTANCE

REAGENT RA	TING
Acetic Acid – 5%	I
Acetone I	
Betadine R	
Beer R	
Brake Fluid	R
Bleach I	
Citric Acid – 30%	R
Citric Acid – 40%	I
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	I
Gasoline R	
Hydrochloric Acid – 15%	R
Lactic Acid – 15%	R
Lactic Acid – 50%	I
Methyl Ethyl Ketone	I
Nitric Acid – 10%	R
Orange Juice	R
Peroxide – 35%	R
Phosphoric Acid – 85%	I
Iodine R	
Skydrol R	
Sodium Hydroxide – 50%	R
Sulfuric Acid – 20%	R
Toluene R	
Urea R	
Vinegar I	
Xylene I	

R – Recommended for continuous service

I – Limited recommendation, occasional spills

* - May cause slight stain or discoloration

WARRANTY

Duraamen Building & Allied products, Inc. warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of *Duraamen*. If any product fails to meet this warranty, the liability of *Duraamen* will be limited to replacement of any non-conforming material if notice of such non-conformity is given to *Duraamen* within (1) one year of delivery of materials. *Duraamen* may in its discretion refund the price received by *Duraamen* in lieu of replacing the material. No customer, distributor or representative is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of *Duraamen*. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. *Duraamen* reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY OTHER THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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