

TECHNICAL DATA SHEET



DESCRIPTION

ProSpartic is a low odor, high solids, aliphatic polyaspartic coating designed to be used as a clear or pigmented U-V stable intermediate, grout, and top coat. Ideal for use as a seal coat for decorative finishes. **ProSpartic** provides good chemical, stain, and abrasion resistance. The resin component is available in standard and fast cure options.

FEATURES & BENEFITS

- ◆ No VOC, Low Odor
- ◆ U-V Stable
- ◆ Standard or Fast Cure Options for *Fast-Track* Projects
- ◆ Low Temperature Curable
- ◆ Clear, High Gloss for Decorative Finishes
- ◆ Thin/Thick Applicable
- ◆ Pigmented or Clear
- ◆ Good Temperature Resistance
- ◆ Outstanding Resistance to Abrasion & Wear
- ◆ Microbe◆BLOK Antimicrobial

COLORS

See "Color Guide"

TYPICAL USES

- ◆ Laboratories
- ◆ Hospitals
- ◆ Garages
- ◆ Manufacturing
- ◆ Pharmaceutical Plants
- ◆ Kennels
- ◆ Clean Rooms
- ◆ Schools
- ◆ Kitchens
- ◆ Commercial/Retail

PACKAGING

- ◆ 1 gallon metal pail- Resin
- ◆ 1 gallon black pail- Hardener

STORAGE

Materials should be stored indoors between 60°F (16°C) and 90°F (32°C).

SHELF LIFE

One (1) year from date of manufacture.

LIMITATIONS

This product is best suited for application in temperatures between 35°F and 85°F, and relative humidity less than 85%. When using **ProSpartic** as a primer, extra precaution has to be taken on the substrate preparation and on the moisture content.

Some light colors may require multiple coats for adequate hiding power. Certain colors appear white when scratched. Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available.

OPTIONAL

ProColor Universal Colorants (on-site pigmenting)

ProMetallic (iridescent colorant)

MicrobeBLOK (anti-microbial)

PRODUCTS GUIDE

1. **ProSpartic F-Resin** provides an accelerated cure for fast-track systems needing quick return to service or recoats. Low-temperature applicable down to 35°F. When combined with **ProSpartic Hardener** at a 1:1 mix ratio, it can be applied from 6-20 mils in thickness.
2. **ProSpartic S-Resin** provides a longer working time making it ideal for applications with higher ambient temperature and humidity. When combined with **ProSpartic Hardener** at a 1:1 mix ratio, it can be applied from 6-20 mils in thickness.
3. **ProSpartic Hardener** is used with BOTH the **ProSpartic S** and **ProSpartic F-Resins** at a 1:1 mix ratio.

PRELIMINARY FLOOR INSPECTIONS

CHECK THE CONCRETE: Concrete must be structurally sound and free of curing membrane, paint or other sealer. If you suspect that the concrete has been previously sealed, call **ProREZ** technical support for further instructions.

CHECK FOR MOISTURE: Concrete must be dry before application of **ProREZ** floor coating materials. Concrete moisture testing must occur. Calcium chloride testing or in-situ relative humidity testing is recommended. Test methods can be purchased at www.astm.org, see ASTM F1869-11 or F2170-11, respectively or follow manufacturer's instructions. Readings must be below 3lbs/1,000s.f./24hrs (ASTM F1869-11) or 75% internal relative humidity (F2170-11) when installed directly to the concrete substrate.

***Note:** Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

CHECK THE TEMPERATURE AND HUMIDITY:

ProSpartic is sensitive to moisture and temperature during application and curing. Floor temperature and materials should be between 35°F and 85°F. Humidity must be less than 85%. DO NOT coat unless floor temperature is more than five degrees over the dew point.

COVERAGE RATE

A gallon of **ProSpartic** will cover in the following manner, with a ***standard spread rate** for a finish topcoat at 6-20 mils or 80-267 s.f. per gallon. *Application of body/grout and topcoats are variable in thickness depending upon condition of substrate and type of system.

RECOAT REQUIREMENTS

In the event of a recoat application beyond 36 hours, the existing topcoat should be lightly ground using 100-grit diamonds, vacuuming, and tack-wiping before re-application. Please call **ProREZ** technical support for further instructions..

JOINT GUIDELINES

Depending on preference, joints may or may not be filled. If the joints are filled, nonmoving joints, i.e. contraction or control joints can be treated by using **ProPoxy** with **ProThickener**, or by using **ProUrea HF**, a hard-and-fast urea filler for *Fast-Track* applications.

Note: Coating applied over filled joints may crack if there is concrete movement.

MIXING INSTRUCTIONS

Application Equipment:

- ◆ Personal Protective Equipment (PPE) & clothing per SDS (Safety Data Sheet)
- ◆ Jiffy® Mixer Blade (ES Model)
- ◆ Clean Mixing Container
- ◆ Low Speed /High Torque Power Drill
- ◆ Shed-Resistant Roller Cover- 3/8" Nap
- ◆ Application Squeegee

Mix ratio for **ProSpartic** is **1 part Resin to 1 part Hardener** by volume. **8 oz. of ProColor Universal Colorant** is recommended **per gallon** of material. When field pigmenting, it should be added and mixed in homogenously to the resin prior to adding the hardener. When combining, be sure to add the hardener into the clean mixing container first. Then add the resin (clear or pigmented) scraping out the container. Always pour into the **center** of the mixing container. Mix the components thoroughly for **1 minute** with a Jiffier ES style mix blade. Mix only enough material at one time that can be applied without exceeding the pot life.

CLEANING GUIDELINES & MAINTENANCE

Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).

CARE

Proper maintenance will increase the service life and help maintain the appearance of your new **ProREZ** floor coating system. This product is considered to be a low maintenance coating system, however, certain textures and service environments require specific procedures. SEE "CLEANING GUIDELINES" for more information.

CAUTION

Avoid scratching or gouging the surface. All floor coatings will scratch if heavy or sharp objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may cause chipping or concrete pop-outs in the case of a weak substrate cap.

Rubber tires can permanently stain the floor coating from plasticizer migration. In warehouse & industrial settings, the use of non-marking tires is highly recommended to prevent discoloration. Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.

REPAIRS

Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

DISPOSAL

Dispose in accordance with federal, state and local regulations.

TECHNICAL SUPPORT

For any application questions, please call **ProREZ** technical support at **877.511.3456**.

SDS

PLEASE SEE SAFETY DATA SHEET (SDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED. **KEEP OUT OF THE REACH OF CHILDREN.**

PHYSICAL CHARACTERISTICS	
Percentage solid by weight	85%
Mix Ratio (by volume)	1 Part Resin: 1 Part Hardener
Viscosity at 70°F	800 cps (average)
Cure Time, Tack-Free at 70°F, 50% Relative Humidity	ProSpartic F-Resin: 2-3 hours foot traffic ProSpartic S-Resin: 8-10 hours foot traffic F-Resin: 12 hours; S-Resin: 24 hours
Full Traffic	
Working Time at 70°F, 50% Relative Humidity	ProSpartic F-Resin: 15 minutes ProSpartic S-Resin: 25 minutes
Recoat Window	Maximum of 24 hours
Coverage Rate	20 mils, 80 sq ft/US gallon 6 mils, 267 sq ft/US gallon
Volatile Organic Compound	(VOC) nil

PHYSICAL PROPERTY	TEST METHOD	RESULT
Konig ardness (3 mils)	ASTM D-4366	171
Tensile Strength	ASTM D-2370	6,500 psi
Tensile Elongation	ASTM D-2370	8%
Adhesion	ASTM D-4541	400 psi, concrete failure (applied over epoxy)
Impact Resistance	ASTM D-2794	>160 in/lb
Water Absorption	ASTM D-570	<0.1%
Flame Test (3 mils over cement board)	ASTM D-648	Class 1
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	10-15 mg loss, 24 hours 5-10 mg loss, 72 hours
Coefficient of Friction (James Friction Tester) Wet Dry	ASTM D-2047	0.7 (smooth) 0.8 (smooth)