HIGH WEAR ADDITIVE

PRODUCT TECHNICAL DATA SHEET

PPC HIGH WEARE ADDITIVE is a 220-grit white aluminum oxide additive specifically formulated for use with urethane, polyaspartic, and epoxy coating systems. When incorporated into the final wear layer, it enhances the coating's durability, abrasion resistance, and overall wear performance, helping extend the service life of the coated surface. Depending on the application rate and dosage, High Wear Additive can also improve surface traction and slip resistance, providing an additional level of safety without compromising the coating's protective properties.

WHERE TO USE

- Automotive Service Centers
- Industrial Warehouses and Distribution Facilities
- Laboratories and Research Facilities
- Aircraft Hangars and Maintenance Facilities
- Commercial Kitchens and Cafeterias
- Residential and Commercial Garages
- High-Traffic Industrial and Commercial Floors
- Any environment requiring enhanced abrasion resistance, durability, and long-term wear protection.

ADVANTAGES

- Enhances the overall durability, abrasion resistance, and wear performance of coated surfaces.
- Provides additional surface texture and improved traction when incorporated into epoxy, urethane, or polyaspartic topcoats.
- Helps achieve a durable, satin-like finish over epoxy flooring systems.
- Can be combined with compatible urethane topcoats to create a high-performance coating system designed for superior wear resistance and long-term protection.

COVERAGE RATES

First Coat - Direct to Concrete: 250 - 350 ft2 per gallon
Second Coat - Over Existing Coating: 250 - 350 ft2 per gallon

PACKAGING and COLORS

Packaging: 3 lbs. plastic containers
***Bulk packaging available upon request.

MIX RATIO

NA.

SHELF LIFE AND STORAGE

12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.

PHYSICAL/CHEMICAL CHARACTERISTICS

@ 70° - 72°F at 50% RH.

Solids/Active Content, % by weigh……..……NA

Pot Life……Refer to coating used

Dry Time - Tack Free…….. Refer to coating used

Dry Time -Foot Traffic…… Refer to coating used

Dry Time - Heavy Traffic…….. Refer to coating used

Re-Coat Time Window……Refer to coating used

Application Temperature……50° F -80° F

VOC Content ……NA

Appearance Wet……..Clear-Hazy depending on dosage

Appearance Dry……Depending on dosage and spread rate

Specifications / Compliances • voc compliant for all areas in the United States and Canada.

OVERVIEW OF INSTALLATION STEPS

Mandatory Mockup: A 100-200 sq/ft mockup should be installed as a guide for installation and quality control panel days or weeks before the actual installation of the coating system. The mockup should be approved by an authorized representative of the Property Management for Slip Resistance, aesthetics, and functionality.

Surface Preparation:
Refer to coating used

Mixing
Add the desired amount of High Wear Additive to the coating after thoroughly blending Parts A and B (for two-component systems). Mix for approximately 2–3 minutes at low speed to ensure uniform dispersion throughout the material.
Avoid creating a vortex during mixing as this may introduce air and/or moisture into the mixture, potentially affecting the coating's performance.
Prepare only the amount of material that can be applied within the product's specified usable pot life.
For pigmented systems: When using a universal pigment pack, first incorporate the pigment into Part A and mix until uniform. Next, combine Parts A and B according to the manufacturer's specified mixing ratio. Once thoroughly blended, add the desired quantity of High Wear Additive and continue mixing for 2–3 minutes.
Additional agitation may be necessary if the mixed coating remains unused for an extended period, particularly with lower-viscosity formulations, to maintain consistent additive distribution.

Alternative Application Method: High Wear Additive may also be broadcast directly onto freshly applied coatings to enhance surface texture and wear resistance. Conduct a small test application beforehand to determine the appropriate broadcast rate and ensure uniform coverage while avoiding excessive material buildup.
Note: Always follow the coating manufacturer's recommended mixing procedures, application conditions, and pot life limitations.

Application

For optimal results, coatings containing **PPC High Wear Additive** should be applied using the dip-and-roll method with a 1/4" mohair roller or a 3/8" shed-resistant nap roller.
Each time the roller is dipped into the roller pan, roll it several times along the bottom to redistribute any additive that may have settled. Additionally, thoroughly stir the mixed coating before refilling the roller pan to maintain a consistent distribution of the additive throughout the application.
Spray application is not recommended, as the aluminum oxide particles may accumulate within spray equipment, potentially clogging components and interfering with proper operation.

Slip resistance is an important consideration when selecting and installing protective flooring systems, particularly in environments exposed to water, oil, grease, or other potentially slippery substances.
Applicable OSHA regulations, ADA accessibility requirements, building codes, and industry standards should be reviewed to determine the appropriate slip-resistance performance for each application.
PPC recommends incorporating suitable angular slip-resistant aggregates into flooring systems where additional traction is required, particularly in areas subject to wet or contaminated conditions.
The contractor, installer, and end user are responsible for evaluating the intended service environment and ensuring that the completed flooring system meets applicable safety requirements and provides adequate slip resistance.
Premier Protective Coatings (PPC) recommends conducting appropriate slip-resistance testing under anticipated service conditions. PPC and its representatives assume no responsibility for injuries or accidents resulting from improper installation, inadequate maintenance, or failure to provide a suitable slip-resistant surface, to the extent permitted by applicable law.

LIMITATIONS

- **S**torage & Temperature: PPC High Wear Additive is not susceptible to freezing under normal storage conditions. However, allow the material to reach a minimum temperature of 50°F (10°C) before application.
- Ventilation: Prior to application, take appropriate precautions to prevent fumes or vapors from entering and circulating through HVAC systems. Follow the ventilation requirements specified for the coating being used.
- Health & Safety: Harmful if swallowed. Follow all recommended safety precautions and refer to the Safety Data Sheet (SDS) for proper handling, storage, and personal protective equipment requirements.
- Interior & Exterior Applications: Suitable for use in both interior and exterior coating systems, provided the selected coating is approved for the intended environment.
- Pre-Application Testing: Always conduct a small test application to verify compatibility, surface appearance, texture, and overall performance before proceeding with the complete installation.
- Removal Considerations: Once incorporated into a cured coating, the additive cannot be removed independently. Mechanical removal or stripping of the affected coating may be necessary to eliminate the embedded aggregate.
- Gloss & Finish: High Wear Additive may reduce the gloss level of certain coatings; however, it is not specifically formulated or intended for use as a matting agent.
- Product Compatibility: Designed exclusively for incorporation into compatible coating systems. Mixing directly with raw solvents or using the additive as a standalone product is not recommended.
- Appearance Considerations: The addition of High Wear Additive may alter the final appearance, clarity, texture, or sheen of the coating. Preliminary testing is strongly recommended to ensure the desired aesthetic results.
- Chemical Resistance: High Wear Additive is intended to enhance abrasion and wear resistance. It does not improve the coating's resistance to brake fluid, gasoline, solvents, or other chemical substances. Chemical resistance remains dependent on the properties of the coating system.

LIMITED WARRANTY

PPC warrants its products to be free of manufacturing defects and that they will meet PPC current published physical properties. PPC warrants that its products, when properly installed by a state licensed contractor according to PPC guide specifications and product data sheets over a sound, properly prepared substrate, will not fail for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PPC of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PPC shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PPC shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PPC reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PPC makes no claim that these tests or any other tests, accurately represent all environments. For further information please contact us at the following email address: orders@premierprotectivecoatings.com or visiting www.premierprotectivecoatings.com

DISPOSAL

Refer to coating used

CAUTION

ALWAYS KEEP OUT OF THE REACH OF CHILDREN
KEEP FROM FREEZING CONDITIONS
INTENDED FOR INDUSTRIAL USE ONLY