

PRO-Tekt Topcoat PA

100% solids, high performance, aliphatic polyaspartic polyurea top coat

CSI Div. 07

07 18 00 Traffic Coatings

LEED Points

MR Credit 5.1, Regional Materials.....Up to 2 Points
 IEQ Credit 4.2, Low-Emitting Materials Paints and Coatings...1 Point
 Using this AQUAFIN product can help contribute to LEED certification of projects in the categories shown above.

Product Description:

PRO-Tekt Topcoat PA is a solvent-free, 100% solids, 2-component, aliphatic, polyaspartic, polyurea coating designed to withstand pedestrian and vehicular traffic. It is used as the topcoat in the Pro-Tekt Traffic Deck System.

The PRO-Tekt Traffic Deck System consists of the following components:

1. Primer: VAPORTIGHT COAT-SG2 or SG4
2. Base Coat: PRO-Tekt Flexcoat
3. Intermediate Coat: PRO-Tekt Trafficcoat
4. Top Coat: PRO-Tekt Topcoat PA

Typical Applications:

Used as the topcoat in the PRO-Tekt Traffic Deck System on pedestrian plaza decks, pedestrian bridges, roof decks, parking decks, and ramps.

Advantages:

- Low odor during application and cure.
- Quick return to service.
- UV stable.
- High abrasion resistance.
- Zero VOC's.

Site Mock-up:

- Aquafin recommends installation of a field sample of min. 100 ft² at the project site or other pre-selected area as agreed to by owner's representative, applicator and manufacturer.
- Apply materials in accordance with manufacturer's written application instructions.
- Field sample will be standard for judging color and texture on remainder of project.
- Maintain field sample during construction for workmanship comparison.
- Do not alter, move, or destroy field sample until work is completed and approved by Owner's representative.

Substrate Preparation:

- Apply only onto properly installed Aquafin Primer or PRO-Tekt Intermediate Coat broadcast with aggregate (refer to appropriate product TDS for application instructions and coverage rates). Ensure all surfaces are dry, free from dirt, dust and other foreign substances.
- Only proceed with application when ambient temperature is minimum 40°F (4°C) and rising to maximum 85°F (30°C), and more than 6°

Physical and Technical Data	
Tensile Strength ASTM D412	5,630 psi
Elongation ASTM D412	10%
Density	1.08 g/cc
Percent Solids	100%
VOC	0 g/l
Shore D ASTM D2240	75 - 80
Tear ASTM D624C	803 pli
Taber Abrasion ASTM D3389	12/1000 mg/rev. loss
Pot Life*	5-10 minutes
Gel Time*	10-15 minutes
Tack Free Time*	30-45 minutes
* 100 gm mixed sample at 77°F (25°C)	
Full service use	4 hours
Theoretical Coverage: note product waste and substrate variances will affect coverage rates	275 - 290 ft ² @ 21-25 wet mils. Coverage will vary based on aggregate load and amplitude.

degrees above dew point. Temperatures must be maintained within this range for at least 24 hours after the installation of PRO-Tekt Topcoat PA. Do NOT proceed with application when the temperatures drop below 40°F (4°C) or if precipitation is imminent. Special precautions are to be taken when ambient and/or substrate temperatures are approaching, at, or above 95°F (35°C) and it may be necessary to limit material application to evening hours for exterior exposed decks.

- Expansion and control joints are to be prepared in accordance with project specifications.

Mixing:

PRO-Tekt Topcoat PA is supplied in the appropriate mixing ratio. Always mix full units.

- Use chemical resistant Nitrile gloves and goggles when mixing or applying PRO-Tekt Topcoat PA.
 - Material should be between 60°F (15°C) and 85°F (29°C) at time of mixing.
1. Pre-mix Component A for 30 secs until uniform in color.
 2. Open each container carefully. Do not spill material.
 3. Pour all contents of Component B into Component A (packaged in the larger 5-gal pail).
 4. Mix material using a jiffy style paddle at low speed for a minimum 60 seconds until a uniform homogenous color is achieved
 5. Thoroughly scrape sides of pail as material is placed in a clean secondary container. Mix for an additional 15- 20 seconds.
- NOTE: Extended mixing times can result in premature gel times.

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Application:

PRO-Tekt Topcoat should be applied to properly applied PRO-Tekt Trafficcoat after a minimum of 4 hours and a maximum of 48 hours.

- Immediately after mixing, pour PRO-Tekt Topcoat in sufficient quantity onto surface and uniformly distribute with a 1/8" notched squeegee.
- Apply PRO-Tekt Topcoat at 66 – 70 sq ft /gal @ 21-25 wet mils (rate will vary based upon aggregate load and amplitude)
- Follow with a 1/4" - 3/8" non-shed roller, back rolling at right angle (90 degrees) to the squeegee application to achieve uniform coverage.

Curing:

- PRO-Tekt Topcoat PA is self-curing.
- Environmental conditions may accelerate or slow down curing times.

Clean-up:

Promptly wash hands and tools with an approved solvent before material hardens. Cured material must be removed mechanically.

Limitations:

- Do not store materials outdoors exposed to sunlight for prolonged periods.
- Excessive sun exposure should be avoided during application.
- Provide for expansion and control joints where specified. Never bridge expansion joints, always ensure such joints are honored completely through entire PRO-Tekt Traffic Deck System. Where control or expansion joints do not exist in the substrate, provide for them in the system per design professionals' recommendations.

Packaging and Shelf Life:

Shelf life is 12 months in closed, original packaging, stored in a dry, cool place, above 50°F (10°C) and below 85°F (30°C).

- 38.24 lbs/17.35 kg Kit (4.2 gallon/15.9 liter)

Comp A: 19.12 lbs (8.67 kg)

Comp B: 19.12 lbs (8.67 kg)

Note:

Proper application is the responsibility of the user. Field visits by AQUAFIN personnel are for the purpose of making technical recommendations and not for supervising or providing quality control on-site.

Safety:

Refer to SDS. For commercial use only. Avoid contact with skin and eyes. Wear Nitrile gloves and safety goggles during mixing and application. After contact with skin, wash with plenty of water. In case of eye contact, rinse immediately with plenty of water for 15 minutes and seek medical advice. KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY: AQUAFIN, INC. warrants this product for a period of one year from the date of installation to be manufactured free of defects and to be consistent with its technical properties as stated in our current Technical Datasheet. This product must be used as directed and within its stated shelf life. AQUAFIN, INC. will replace or at our discretion refund the purchase price of any product, excluding cost of labor, which is proven to be defective. Our product recommendations are based on industry standards and testing procedures. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. We assume no warranties written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN, INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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