

# PRO-Tekt Flexcoat

**100% solids, waterproof, polyurethane base 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 Flexcoat is the base coat in the PRO-Tekt Traffic Deck System. It is a 2-component, solvent free, polyurethane base coat, designed to be used in combination with the Trafficoat intermediate coat to provide a fully elastomeric traffic system for concrete structures.

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 Trafficoat
4. Top Coat: PRO-Tekt Topcoat PA

**Typical Applications:**

- Used as the waterproof, elastomeric membrane of 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.
- Excellent crack-bridging properties and flexibility.
- High tensile strength
- High elongation
- Excellent adhesion
- Rapid cure/recoat times

**Site Mock-up:**

- Aquafin recommends installation of a field sample of min. 100 ft<sup>2</sup> 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:**

- Surfaces must be properly primed with Aquafin VAPORTIGHT COAT SG2 or SG4 (Check TDS for application instructions and coverage rates). All surfaces must be dry, free from loose sand, dirt, dust and other foreign substances that could interfere with adhesion to the prime coat.

Physical and Technical Data	
Tensile Strength ASTM D412	1,450 psi
Elongation ASTM D412	500 - 600%
Density DIN 53479	1.05 gm/ml
Percent Solids	100%
VOC	0 gm/l
Shore A ASTM D2240	70
Tear ASTM D624C	215 lbs/inch
Elcometer Adhesion ASTM D4541	>435 psi on Primer
Pot Life*	15 minutes
Gel Time*	15 - 20 minutes
Tack Free Time*	40 - 50 minutes
* 100 gm mixed sample at 77°F (25°C)	
Full service use	Overcoat @ 4 hours
<b>Theoretical Coverage:</b> note product waste and substrate variances may affect coverage rates	95 ft <sup>2</sup> /kit @ 40 mils WFT 35 ft <sup>2</sup> /gal @ 40 mils WFT

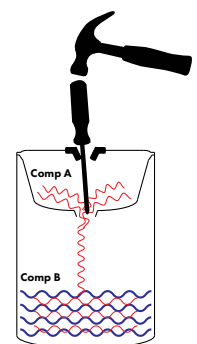
- Only proceed with application when ambient temperature is minimum 40°F (4°C) and rising, to maximum 95°F (35°C), and more than 6° degrees above dew point. Temperatures must be maintained within this range for at least 24 hours after the installation of the primer. Do NOT proceed with application when 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 100°F (38°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 Flexcoat is supplied in the appropriate mixing ratio. Always mix full units.

- Use chemical resistant gloves and goggles when mixing or applying PRO-Tekt Flexcoat.
- Material should be between 60°F (15°C) and 85°F (29°C) at time of mixing.

1. Remove clamp and ring from around lid.
2. Pierce a hole through rubber gasket and bottom of "lid well". Assure that Comp-A completely drains into Comp-B.
3. Thoroughly mix material for 60 seconds until a uniform homogenous color is achieved.



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4. 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.

## Application:

- Pour PRO-Tekt Flexcoat in sufficient quantity and uniformly distribute with a 1/8" notched squeegee. Follow with a 3/8" or 1/2" non-shed synthetic roller, back rolling at right angle (90 degrees) to the squeegee application to achieve uniform coverage.
- Apply PRO-Tekt Flexcoat at 40 wet mils thickness for parking stalls, driving lanes, ramps and turning circles.
- Allow PRO-Tekt Flexcoat to cure a minimum of 4 hours. Intermediate Coat (PRO-Tekt Trafficcoat) must be applied after a minimum of 4 hours and a maximum of 48 hours.
- Substrate and ambient temperatures must be above 40°F (4°C) and at least 6 degrees above the dew point.

## Curing

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

## Limitations

- Temperature can affect cure times. PRO-Tekt Flexcoat cures faster when applied during warm weather and high humidity conditions and slower during cool temperatures and low humidity conditions.
- 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.
- Do not puncture rubber gasket in lid well too far in advance of mixing (one or two at a time). The two components will begin reacting within a few minutes which could create lumps in the material.

## Clean-up

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

## 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.

## Packaging and Shelf Life:

Shelf life is 1 year in closed, original packaging, stored in a dry, cool place, above 50°F (10°C) and below 85°F (30°C).

- 24 lb/10.8 kg kit (~2.73 Gal [10.3 L])
  - A-Comp: 4 lb (1.8 kg)
  - B-Comp: 20 lb (9.0 kg).

## Safety:

Refer to SDS. For commercial use only. Avoid contact with skin and eyes. Wear rubber 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 Data Sheet. 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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