



protective coatings and resin flooring

PRODUCT DATA

FLEXILIT WA

PRODUCT DESCRIPTION

Flexilit WA is a two-component, IMO-approved, high performance, water-based, aliphatic polyurethane coating that incorporates antimicrobial technology to fight against a broad range of bacteria and fungi. It is designed to improve cleanability and UV resistance and may be used for numerous applications. Flexilit WA combines superior chemical and abrasion resistance with excellent adhesion and weatherability. It may be applied on both vertical and horizontal surfaces and has a clear, flat appearance.

PACKAGING

Flexilit WA is packaged in units for easy handling. Each unit consists of:

- (1) 1 gallon pail of Polyol
- (1) foil bag of Isocyanate

COVERAGE

One unit of Flexilit WA will cover approximately 37 m² (400 ft²) of relatively smooth surface at 4 mil wet film thickness. This amounts to an application rate of approximately 0.1 kg/m². Over rougher surfaces, a unit of Flexilit WA will not cover the full 37 m². The rougher or more porous the surface, the less area a unit will cover. It is important to get complete coverage without leaving pools of material in depressions.

STORAGE CONDITIONS

Store all components of Flexilit WA between 16 and 30°C (60 and 86°F) in a dry area. Avoid excessive heat and direct sunlight. Do not freeze. The shelf life of the material is 12 months in the original, unopened container.

SUBSTRATE PREPARATION

Flexilit WA is suitable for application over properly prepared API USA products. Before Flexilit WA application, the surface of the floor must be clean and dry. Questions regarding substrate preparation should be directed to an API USA representative.

PHYSICAL CHARACTERISTICS

Density	1052.2 kg/m ³
Mix Ratio by Weight	19.8/100 (Hardener/Base)
Mix Ratio by Volume	5.50/1 (Base/Hardener)
VOC Content	47 g/L (ASTM 2369, Method C)
Percent Solids	95.5%
Flash Point	25°C (77°F)
Pot Life	30 min (@23°C/74°F)
Recoat Time	24 hours (@23°C/74°F)
Cure Rate	12 hours for initial set (@23°C/74°F) 24 hours for normal operations 7 days for ultimate physical properties

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment. Values obtained on field applied materials may vary, and certain test methods can only be conducted on lab-made test coupons.

MIXING FLEXILIT WA

Proper mixing is critical for the products to exhibit the proper application, cure and physical properties.

1. If the base shows signs of separation, pre-mix with a heavy-duty, slow-speed drill (400-600 rpm) with a Jiffy Mixer until homogenous.
2. Pour the contents of the base and hardener into a clean container and mix for 60 seconds.

APPLYING FLEXILIT WA

Flexilit WA may be applied by brush or medium nap roller to 4 mil wet film thickness. DO NOT SQUEEGEE the material. It is important to obtain proper coverage and not allow the material to puddle.

RECOMMENDATIONS

- Apply only to clean, sound, dry and properly prepared substrates.
- Application and curing times are dependent upon ambient and substrate conditions.
- Minimum ambient and substrate temperatures are 5°C (41°F) at the time of application. However, it is not advisable to apply the material if the temperature is below 10°C (50°F).
- Maximum ambient and substrate temperatures are 35°C (95°F) at the time of application.
- Substrate temperature should be greater than 3°C (5°F) above the dew point.
- Do not apply material if the relative humidity exceeds 85%.
- Dispose of waste materials in accordance with government regulations.
- Clean all equipment immediately after use with scouring pads and acetone. Hardened material will require mechanical means for removal.

PRECAUTIONS

- The use of safety glasses and impervious gloves is required during application.
- Avoid contact with all liquids as they may cause skin and/or eye irritation. In case of contact, flush the area with copious amounts of water for at least 15 minutes and seek medical attention.
- Wash hands thoroughly with soap and warm water after use.
- Use only with adequate ventilation.