



protective coatings and resin flooring

PRODUCT DATA

ALLEGGERITO THIXOTROPICO

PRODUCT DESCRIPTION

Alleggerito Thixotropico is a two-component polyurethane material designed for easy application for all external deck applications requiring a vertical underlayment. It is used for substrate repair, leveling and patching. Alleggerito Thixotropico can be applied as thin as 1 mm (1/32 in.) to as thick as 10 mm (3/8 in.) per coat.

PACKAGING

Alleggerito Thixotropico is packaged in units for easy handling. Each unit consists of:

- (1) 5 gallon pail of Polyol
- (1) 1 gallon can in a carton of Isocyanate

COVERAGE

At a nominal 4.5 mm (3/16 in.) pre-sanded thickness, each unit of Alleggerito Thixotropico will cover approximately 2.0 m² (21 ft²). This amounts to an application rate of 5 kg/m².

STORAGE CONDITIONS

Store all components of Alleggerito Thixotropico between 5 and 30°C (41 and 86°F) in a dry area. Avoid excessive heat and direct sunlight. Do not freeze. The shelf lives of the Polyol and Isocyanate are 3 years and 2 years, respectively, in the original, unopened container.

SUBSTRATE

Alleggerito Thixotropico is suitable for application over properly prepared steel, aluminum, concrete or wood surfaces. It is not recommended for use over asphalt, mastic, gypsum-based products, brick or painted surfaces. These must first be removed by mechanical means to expose the substrate prior to overlayment.

SUBSTRATE PREPERATION

Proper mechanical preparation is critical to ensure an adequate bond and system performance. The substrate must be clean, dry and free of contamination before material application. When applying over aluminum, stainless steel, or galvanized substrates, the use of Primer 5 is required immediately after mechanical preparation. Questions regarding substrate preparation should be directed to an API USA representative.

PRIMING/UNDERLAYMENT

The use of Primer per Metalli is required for all applications of Alleggerito Thixotropico. The Primer per Metalli must be tack-free prior to Alleggerito Thixotropico application.

PHYSICAL CHARACTERISTICS

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|----------------------------------|---|
| Hardness | 65 |
| (ASTM D-2240, Shore A) | |
| Density | 1118.8 kg/m ³ |
| Mix Ratio by Weight | 28.7/100 |
| (Hardener/Base) | |
| Mix Ratio by Volume | 3.9/1 |
| (Base/Hardener) | |
| VOC Content | 5 g/L |
| (ASTM D-2369, Method E) | |
| Percent Solids | 99.5% |
| Flash Point | 94°C (>201°F) |
| Pot Life | 60 min |
| (@23°C/74°F) | |
| Recoat Time | 24 hours |
| (@23°C/74°F) | |
| Cure Rate | 5-6 hours for initial set |
| (@23°C/74°F) | 12 hours for light traffic |
| | 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 ALLEGGERITO THIXOTROPICO

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 hardener into the pail containing the base, scraping any residual hardener from the bottom and sides of the pail. Mix for two minutes. Due to the thixotropy of the material, the addition of Accelerante is not recommended.

APPLYING ALLEGGERITO THIXOTROPICO

1. Apply the material to the substrate using a steel finishing trowel, tapping knife or metal squeegee. When patching, use the surrounding level surface as a guide for the trowel. When used as an underlayment, take care to ensure the surface is even and void of any holes or ridges.

SANDING ALLEGGERITO THIXOTROPICO

1. After the Alleggerito Thixotropico has cured, begin the sanding process. Using an approved floor sander with 60 grit sandpaper, sand the surface of the Alleggerito Thixotropico to attain a flat, smooth surface.
2. Once sanding is complete, vacuum the surface until clean and prepare to apply the next layer of material.

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.