

CONFLOOR 5300

Three Components Urethane Cement Flooring

Description

Confloor 5300 is three component, self-leveling, VOC compliant urethane, non-slip flooring system applied as a wet slurry mortar that is spread and then allowed to level to provide a smooth flooring surface. It is resistant to extreme hot and cold changes in temperature and does not support bacterial growth. It is suitable for flooring in breweries and wineries, pharmaceutical Plants, commercial Kitchens and Restaurants, processing Areas and loading bays etc.

Features

- Resistant to extreme hot and cold changes in temperature
- Withstands severe heavy traffic
- Non slip when wet
- Can be broadcast
- Does not support bacterial growth
- Resistant to extremely high levels of relative humidity in substrates
- Self-leveling, water based and VOC compliant formulation
- Indoor air quality compliant
- Thermal shock resistant

Area of Use

- It is suitable for flooring in breweries and wineries, pharmaceutical Plants, commercial Kitchens and Restaurants, processing Areas and loading bays etc.
- All food & beverage industries
- Meat/poultry & dairy processing
- General warehouse & manufacturing facilities
- Automotive service bays
- Cold storage facilities

Application Instruction

Remove all contaminants and weak laitance on the concrete substrate with appropriate degreasers and shot blasting for the final profile or use other mechanical means, washing the surface or sanding is not acceptable. Key all termination points and around all drains. Honor all joints in the concrete slab. Concrete must be at least 14 days old. A working vapor barrier on all on grade substrates is recommended.

Pour part A and part B and begin to immediately add the part C mortar mix. Mix for two minutes. Note: If the aggregate is not thoroughly mixed and all Portland cement is not thoroughly mixed in the slurry, blisters may develop in the finished floor. Immediately, pour the mixed slurry onto the prepared substrate and spread with the gage rake at desired thickness. Allow to set 2 minutes and back roll with a porcupine roller to help release air bubbles. Broadcast your aggregate immediately. Broadcast to excess and allow to cure. In 6 to 7 hours additional base coats can be applied if necessary, to build up the thickness if heavy thermal shock attack is required. After final base coat is cured, sweep up and vacuum excess sand or media and apply the selected topcoat

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Limitations

- Only mix whole complete units to assure the performance criteria in this data sheet.
- Do not use partial units or try to break down the unit as the performance will be compromised.
- If the aggregate is not thoroughly mixed and all Portland cement is not thoroughly mixed in the slurry, blisters may develop in the finished floor.
- Some chemicals may cause discoloration but this will not affect the performance of the floor. Test for discoloration before use as this is a concern.

Coverage

1.3 Square meters at 6mm thickness
2.5 Square meters at 9mm thickness

Technical Details

Parameters	Results
Working Time:	20 minutes (less at higher temperatures)
Foot Traffic	5-7 hours (depending upon substrate temperature)
Wheeled Traffic:	8-10 hours
Thermal shock resistance	48 hours
Full Cure	72 hours
Application Thickness	
Moderate Traffic:	5-6mm Thickness (One base coat recommended)
Heavy Duty Traffic:	7-8mm Thickness (Two base coat recommended)

Packaging

Part A 1.1 gallon in 2 gallon pail
Part B 0.692 gallon in 1 gallon pail
Part C 40 lb. plastic lined bag of cement mortar

Storage and Shelf Life

12 months in an unopened container, stored in a cool and dry place

Limited Warranty

All recommendations, statements and technical data herein are based on 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. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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