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Yanfloor® U-cem 3629

Yanfloor® U-cem 3629 Modified Polyurethane Mortar Self-leveling Flooring

Introduction

- **Yanfloor® U-cem 3629** is water-based polyurethane mortar self-leveling flooring, packed by four components: water-based polyurethane resin, cure agent, pigment and mineral filler

Usage

- For food industry, such as meat industry, baked food industry, dairy products industry, brewery and beverage industry.
- Chemical factory, and cold storage warehouse
- Iron and steel industry
- Heavy-duty areas

Test

Criterion
- Test report for each batch of products
- Test report from qualification institution

Product Description

Properties
- Good acid resistance. Especially for organic acids
- Good thermal resistance, such as hot water or hot steam
- Cure fast and without joints
- Matt surface. Flat and smooth

Appearance
- Part A: milky white liquid
- Part B: Brown liquid
- Part C: Gray powder
- Part D: Pigment
- Layer appearance: Flat, smooth and matt surface

Package
- Part A: 2.52kg (plastic bucket)
- Part B: 2.86kg (plastic bucket)
- Part C: 14.4kg(plastic bag)
- Part D: 0.8kg (plastic bag)

Storage

Storage Condition
- Keep at shade place under 30°C. Keep away from fire

Exp. Date
- 6 months from the date of production if stored properly in original packaging.

Safety Information

Trait
- Flammableliquid, flash point≥60°C, noncorrosive and slight smelling

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Certificate No: FM 81172
ISO 9001:2008

Transportation	■ Transport as C-Class flammable liquid
Abandonment Regulation	■ The waste or cured waste has been suggested to be treated by the qualified organization, such as burning, complying with the local law and regulation. Never pour them into water or soil.
Comment	■ For other details please refer to MSDS

Specifications

Item	Data	Testing Method
Fluidity(mm)	≥140	JC/T 985-2005
Pot-life (Minute, 20°C)	≥20	--
Density (g/cm^3)	≈1.92	GB/T 6750-1986
Mixing ratio (A/B/C/D)	2.52/2.86/14.4/0.8	By weight
Consumption (kg/m^2/mm)	2.0	--

Technical Data of Coating

Item	Data	Testing Method
Adhesive Strength (with concrete) (Mpa)	≥1.5 (Concrete damage)	ASTM D4541-02
Compressive Strength (Mpa)	≈45	ASTM D695-08
Hardness (Shore D)	75	ASTM D2240-05
The thickness of coating (mm)	4-6	--

Application information

Application details

- Substrate requirements and treatments: The concrete substrate must be dry, tough, without hollows or grease, and the moisture content should not higher than 6%. The substrate must be treated by grinding machine or shot blasting machine to remove bleeding layer. Cut groovesall around of the application areas with the distance of 10-20cm to the wall. The depth of groove is 2 times ofthe thickness of coating and the width is 1-2cm.
- Primer: **Yanfloor®2040** can be a primer layer in the areas without high temperature, applying evenly by roller. Otherwise, **Yanfloor®U-cem 3629** is a appropriate primer and the consumption is 2 kg/m^2 for this layer, applied by trowel as soon as possible when the four components have been mixed.
- Self-leveling topcoat: apply this layer after the primer having already cured. Firstly, mix Part A, Band D into a clean container and mix them evenly, then put in Part C quickly and mix them evenly as well. Spread the mixture evenly by trowel and use spike roller to remove the bubble.

Cleaning of tools

- Clean all the tools and application equipmentin time after finish the application, avoiding the residue materials being cured on the tools and equipment.
- Suggested Detergents: water or YST-10. Make sure rollers be washed at least 3 times, otherwise it will be gelatinized and useless.

Notes

- The most suitable temperature of substrate is 15°C-20°C, as the ambient temperature is 18°C-25°C. Otherwise it will make the application be more difficult.
- The air humidity cannot exceed 80%.
- Substrate temperature is 3°C higher than dew-point.

Statement of responsibility

Welcome to use our product. Please read the related data sheet before usage. The technical information and the application advice are all based on our experience, knowledge, and confidence. Because of the different ambiance, material, job site, and usage, we can not provide any guarantee for the project quality. But we are responsible for our product quality.

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