PERMOHONAN PERSETUJUAN MATERIAL

Aplikasi Consol Floor 351 Ecocrete

Nama Proyek	:	Epoxy Flooring Area Shelter dan Apron Shelter (Outdoor) PT. Mustika Lastari Jaya di Lanud Madiun
Nomor SPK	:	044/PO/MLJ/IV/2026
Lokasi Pekerjaan	:	Lanud Iswahjudi
Item Pekerjaan	:	Aplikasi Consol Floor 351 Ecocrete
Tanggal Pengajuan	:	18 Juli 2026
Diajukan Oleh	:	Ilman Arif

1. MATERIAL YANG DIAJUKAN

1.1.

Nama Produk	:	CONSOL PRIMER HYBRID EPOXY	
Packaging	:	5,4 kg / set	
Keterangan	:	Consol Primer Hybrid berfungsi sebagai primer untuk memperkuat bonding beton dengan material Consol Floor 351 Ecocrete	

1.2.

Nama Produk	:	Consol Floor 351 Ecocrete	
Packaging	:	53,1 kg / set	
Keterangan	:	Sebagai material heavy duty epoxy water based untuk pekerjaan floor topping dan perbaikan lantai beton yang memiliki ketahanan terhadap abrasi, benturan, dan bahan kimia, serta memiliki daya rekat yang sangat baik pada substrat beton kering maupun lembap.	

1.3.

Nama Produk	: test	
Packaging	: test	
Keterangan	: test	

2. LEMBAR PERSETUJUAN

Diajukan Oleh	Diperiksa Oleh	Disetujui Oleh
(Ilman Arif)	(_____)	(_____)
Tanggal: _____	Tanggal: _____	Tanggal: _____

CONSOL PRIMER HYBRID EPOXY

Water Based Epoxy Primer

DESCRIPTION

CONSOL PRIMER HYBRID EPOXY is two components, water based epoxy and solvent free. The system is formulated to bind to damp, dry, and green concrete.

RECOMMENDED FOR

CONSOL PRIMER HYBRID EPOXY can be used as primer and adhesion promoter for epoxy and polyurethane floor on:

- Concrete floors
- Cementitious Mortar Screed
- Epoxy Cement Floor
- Epoxy Mortar Floor
- Epoxy Concrete Floor

BENEFITS

CONSOL PRIMER HYBRID EPOXY provides the following beneficial properties such as:

- Low viscosity
- Solvent free
- Low odour
- Excellent bonding strength
- Water based
- Excellent adhesion to dry, damp, green concrete

COVERAGE

Material consumption approx. 0.15 - 0.3 kg/m^2 depends on substrate conditions

PRODUCT DATA

Form

Liquid

Colour

Part A : Milky white, liquid
Part B : Green to brown, liquid

Density

Part A : 1.05 kg/L
Part B : 1.05 kg/L

Bond Strength

1.5 N/mm^2 (Failure on concrete)

Pot Life (30^{0}C)

Approx. 20 minutes

Storage

Dry, cool, shaded place

Shelf Life

1 years if stored in unopened original container

Packaging

Part A : 2.1 kg
Part B : 3.3 kg

INSTRUCTION FOR USE

Substrate Condition

Surfaces must be structurally sound, clean, and free from loose particles, oil, grease, and all other contaminants. The compressive strength of the substrates shall not be less than 20 N/mm^2 and the bond strength of the substrate must be at least 1.5 N/mm^2.

Surface Preparation

Remove oil, grease, and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mould release agents, curing membrane and other contaminants must be removed from the surface by shot blasting, scarifying or grit-blasting followed by vacuum cleaning.

Mixing

As Primer
Mixing use a low speed (300 rpm) electric mixer, mix part A&B for at least 3 minutes until the mix is uniform.

Mixing Ratio:
General primer : **A : B = 2.1 : 3.3**

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Factory
Kompleks Industri dan Pergudangan
Golden Blok B16-17
Jl. Industri II Tambak Sawah, Waru-Sidoarjo

APPLICATION

As Primer

Apply **CONSOL PRIMER HYBRID EPOXY** by squeegee or brush on to the prepared surface.
If the surface has moisture barrier, allow the moisture barrier to dry before apply **CONSOL PRIMER HYBRID EPOXY**.
Curing:
At 30 ^{0}C, foot traffic access in 6 hours, fully cured in 48 hours.

PRECAUTIONS

- **CONSOL PRIMER HYBRID EPOXY** contain certain chemicals which can cause skin irritation if exposed and respiratory reaction if inhaled.
- Keep away from open light, including welding.
- Avoid contact with skin and eyes.
- If skin contact occurs, wash skin thoroughly.
- Wear protective glove and eye protection during work.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- Not classified as finishing material, and slightly color difference on result may occurred.

CONSOL®
CONCRETE SOLUTION

TECHNICAL DATA SHEET
Version: 003
Update: July, 2022

CONSOL FLOOR 351 ECOCRETE

Self-Smoothing Epoxy Water Based

DESCRIPTION

CONSOL FLOOR 351 ECOCRETE is a three components, solvent free, odorless, moisture tolerant epoxy water based.

RECOMMENDED FOR

CONSOL FLOOR 351 ECOCRETE is mainly used for the following applications:

- Floor topping on damp and dry substrate
- Repair and maintenance of monolithic concrete floor
- Chemical and pharmaceutical industry
- Food and beverage industry
- Automotive and aircraft servicing facilities
- Production and packaging areas
- Commercial and industrial kitchens

BENEFITS

CONSOL FLOOR 351 ECOCRETE bring some benefits such are:

- Impact and abrasion resistant
- Chemical resistant
- Self-smoothing and good flowability
- Waterbased, solvent free and odourless
- Excellent adhesion to dry, damp, green or saturated surface dry concrete
- Vapour permeable
- Can be applied to fresh and damp concrete
- Resistance to thermal shock
- Adaptable thickness

PRODUCT DATA

Form

Part A : Liquid
Part B : Liquid
Part C : Powder

Appearance

White, cream, green, grey, light grey, stone grey

Packaging

Part A : 3.5 kg
Part B : 5.3 kg
Part C : 21.2 kg

Storage

Dry, shaded place. Protect from direct sunlight and frost.

Shelf Life

12 months from the date of production, if stored properly in original, unopened and undamaged sealed container in dry condition between 10-32 °C. Protect from direct sunlight.

Limitation

- The "matte" of the finish can vary with temperature and the absorbency of the substrate.
- For exact color matching, ensure the **CONSOL FLOOR 351 ECOCRETE** in each area is applied from the same control batch number.

TECHNICAL DATA

Coverage

Primer:

- Scratch Coat: ±0.5 - 1 kg/m^2; or
- CONSOL PRIMER HYBRID EPOXY: ±0.15 kg/m^2; or
- CONSOL FLOOR 162: ±0.1 - 0.2 kg/m^2 (depend on surface condition)
- Self-smoothing: **CONSOL FLOOR 351 ECOCRETE** min. 4 kg/ m^2 (± 2 mm)

Pot Life (30 °C)

15 Minutes

Curing Time

Foot traffic : 1 day
Light traffic : 2 days

Full Cure

5 Days

Hardness

Shore D hardness > 80

Strength

Pull off Strength >15 kg/cm^2

Compressive Strength

~20 N/mm^2 after 28 days

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KIMIA KONSTRUKSI INDONESIA

Flexural Strength
~10 N/mm^2 after 28 days

INSTRUCTION FOR USE

Substrate Condition
Surfaces must be structurally sound, clean, and free from loose particles, oil, grease, and all other contaminants. The compressive strength of the substrates shall not be less than 20 N/mm^2, and the bond strength of the substrate must be least 1.5 N/mm^2.

Surface Preparation
Remove oil, grease and wax contaminants by scrubbing with industrial grade detergent or decreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mold release agents, curing membrane and other contaminants must be removed from the surface by shot-blasting, scarifying or grit-blasting followed by vacuum cleaning.

Mixing
Add part A, to a clean mixing drum. Add part B to the drum and mix for 10 second until uniform using helical spinner. Add the pigmented part C (powder) and stir for 2 minutes to achieve a fully homogenous consistent mortar. Scrap out residue of previous mix from the sides of the drum and discard before the next pack, stir and mix well both content well with high speed mixer (750 rpm).

Application
Apply CONSOL FLOOR 351 ECOCRETE within its pot life. Spread the composite matrix to thickness 2-4 mm and consolidate with pin rake or notched squeegee set to the correct depth as desired. Immediately release air by spike roller.

Cleaning
Use soap and water. Hardened material may have to be mechanically removed.

HEALTH & SAFETY
Some of the component of this product may be hazardous during mixing and application. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children.
For further information, refer to the product Material Safety Data Sheet, available upon request.