

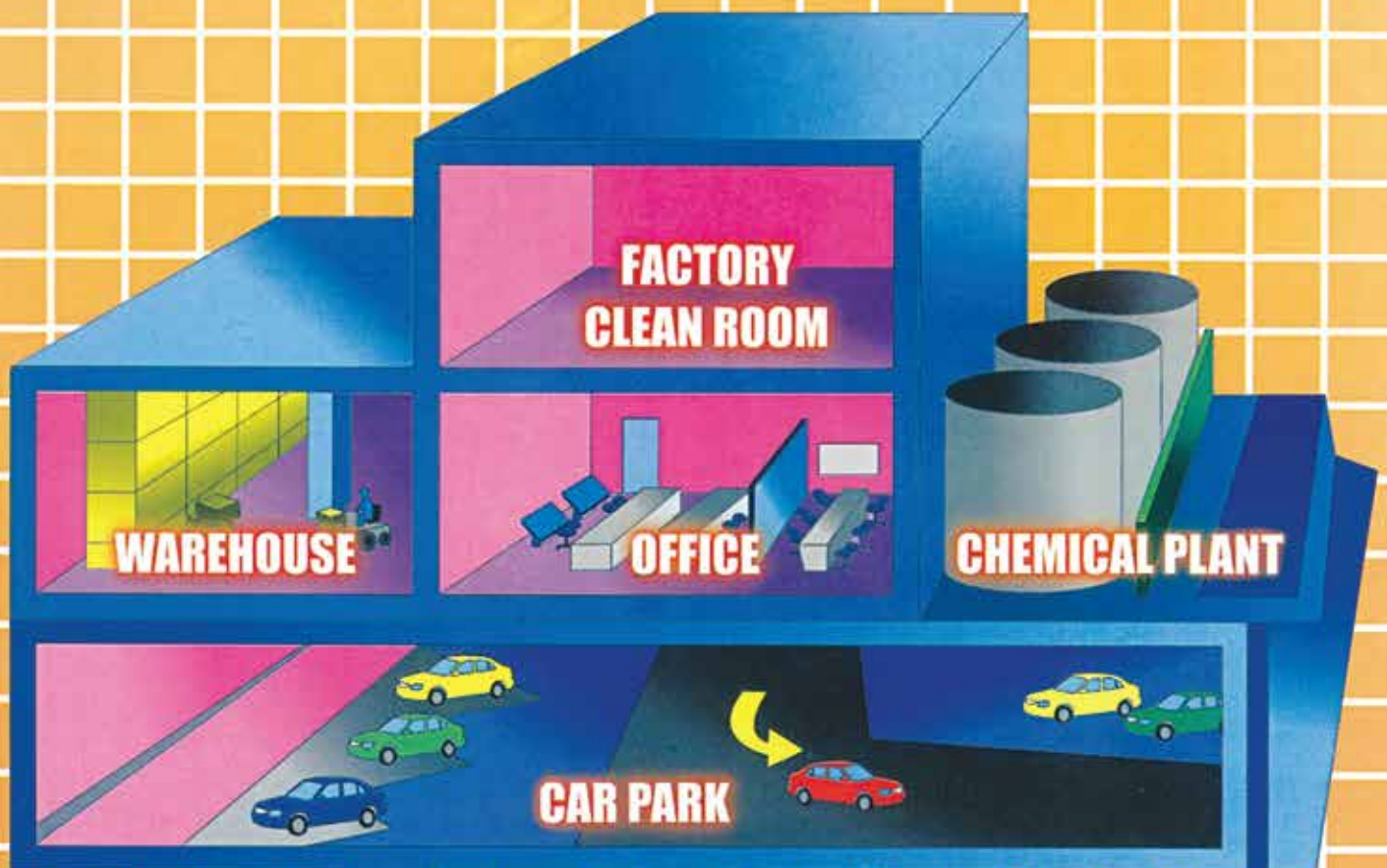
EPOXY FLOOR COATING



ACOLITE

Est. 1984

目的に応じたアコライト
床用エポキシコーティング
システム



AC - 1 method

防塵を要求される床に

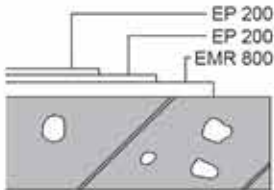
Dust Proof Epoxy Coating System
Standard Film Thickness 0.15mm

FEATURES

Durable, yet economical epoxy paint system

USE

Factory, warehouse, office car park (parking area) & etc



Process	Material	Coverage	Application Method	Coating Interval 30 °C
Primer	EMR 800	0.15 kg/m ²	Roller & Brush	1 hr - 3 days
Undercoat	EP 200	0.15 kg/m ²	Roller & Brush	6 hrs - 3 days
Topcoat	EP 200	0.15 kg/m ²	Roller & Brush	-



AC - 2 method

水、油などを使用する滑りやすい床に

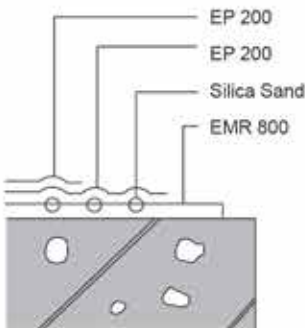
Skid Resistance Epoxy Coating System
Standard Film Thickness 0.5mm

FEATURES

Various type of aggregates promote Safety of traffic

USE

Wet areas, car park ramp and drieway & etc



Process	Material	Coverage	Application Method	Coating Interval 30 °C
Primer	EMR 800	0.30 kg/m ²	Roller & Brush	0 - 1 hr
Skid Resistant	Silica Sand	0.1-1.0 kg/m ²	Spray	6 hrs - 3 days
Undercoat	EP 200	0.15 kg/m ²	Roller & Brush	6 hrs - 3 days
Topcoat	EP 200	0.15 kg/m ²	Roller & Brush	-



AC - 3 method

耐水、耐久性が要求される床に（無溶剤エポキシ）

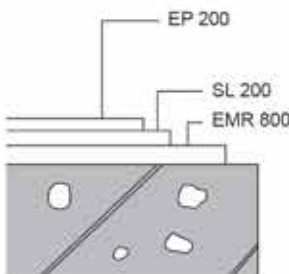
Durable, Waterproofing Epoxy Coating System (Solvent-free Type)
Standard Film Thickness 0.5mm, 1.0mm and 2.0mm

FEATURES

Solent free epoxy coating provides more durable and waterproofing properties

USE

Tank, chamber, laboratory, factory & etc



0.5mm Thick

Process	Material	Coverage	Application Method	Coating Interval 30 °C
Primer	EMR 800	0.25 kg/m ²	Roller & Brush	1 hr - 3 days
Undercoat	SL 200	0.25 kg/m ²	Roller & Brush	6 hrs - 3 days
Topcoat	EP 200	0.15 kg/m ²	Roller & Brush	-



Optional - 1mm & 2mm thick method are also available

* Ac-3-SG method :Semi-gloss finish can be achieved by replacing SL200 Topcoat (Solvent-free epoxy resin) with EP200 semi-gloss (solvent-borne epoxy paint), and total film thickness of this system shall be 0.4mm

AC - 4 method

耐摩耗、耐荷重、耐薬品性が要求される各種床に

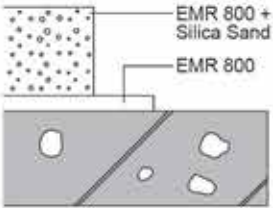
Abrasion, Impact, And Chemical resistant Floor System
Standard Mortar Thickness 5mm

FEATURES

Epoxy resin mortar provides superior abrasion, impact, load and chemical resistance

USE

Loading bay, silo, workshop factory that require moisture barrier



Process	Material	Coverage	Application Method	Coating Interval 30 °C
Primer Cum Tack Coat	EMR 800	0.15 kg/m ²	Roller & Brush	0 - 1hr
Resin Mortar 1:6 Mixture 5mm	EMR 800 + Silica Sand	1.43 kg/m ² 8.57 kg/m ²	Trowel	-

Colour Finish : Colour sand to be used

Pigmented Epoxy Finish : AC-4 + (AC-1 or AC-2 or AC-3)



SURFACE PREPARATIONS KEY NOTES

施工前における注意事項

It is essential to determine conditions of substrate prior to application, such as :-

1. Curing and moisture content of concrete
2. Existence of oil, greases and other foreign matters
3. Crack and delamination
4. Existence of waterproofing membrane below concrete slab
5. Type of concrete floor finish
(e.g. normal concrete or hardener finish)
6. Other general conditions

TYPICAL EXAMPLE OF SURFACE PREPARATIONS

表面処理方法

SANDING / GRINDING



Floor with no risk of moisture rising

SCARIFICATION



Floors with risk of moisture rising, that will cause blistering & peeling

VACUUM BLASTING



Large floors, such as carpark, with risk of moisture rising, that cause blistering & peeling

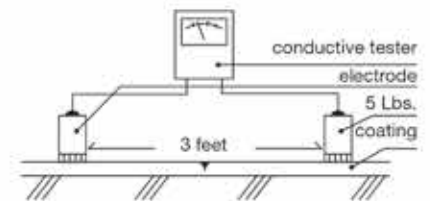
OTHER PRODUCTS - CHEMICAL RESISTANT AND ANTI-STATIC CONDUCTIVE FLOOR COATING



FR.P Lining at Chemical Tank



Anti-static Seamless Coating
10⁵ - 10⁹ Ω



NFPA Method - Measurement of Electrical Resistance



PROPERTIES OF EPOXY MATERIALS

PHYSICAL PROPERTIES

物性表

Item \ Material	E 200	SL 200	EP 200	EMR 800
Viscosity (KU) at 25oC	140	115	70	75
Mixing Ratio Base / Hardener	4/1 By Weight	4/1 By Weight	4/1 By Volume	2/1 By Weight
Pot Life At 30oC	20 minutes	20 minutes	2 hours	45 minutes
Tensile Bonding Strength By Kenkenshiki Japan	Concrete/E200 3.4N /mm ²	E200/SL200 2.6N /mm ²	E200/EP200 1.6N /mm ²	E200/ERM 800 2.7N /mm ²
Pencil Hardness	-	2H - 3H	H	2H - 3H
Abrasion Loss (g) by CS 17 Ring With 1kg Weight	-	0.05 (0.15%)	0.13 (0.38%)	0.05 (0.15%)
Compressive Strength	68.6N /mm ² JIS K 7208	-	-	*75.5N /mm ² JIS K 6911
Impact Test (1kg×1m) ASTM D 2794:93	200 μ Thick Passed	200 μ Thick Passed	50 μ Thick Passed	5mm Thick Passed

* Resin/Aggregate = 1/6

RESISTANCE TO CHEMICALS

耐薬品性能表

Spot Test (48hours) Is Guide Line For Resistance To Spill Chemicals On Floor

Item \ Material	SL200	EP200	EMR800
Hydrochloric Acid	10 % ○	10 % ○	10 % ○
Sulfuric Acid	10 % ○	10 % ○	10 % ○
Caustic Soda	30 % ○	30 % ○	30 % ○
Salt	○	○	○
Gasoline	○	○	○
Kerosene	○	○	○
Isopropyl Alcohol	○	○	○
Acetone	×	×	×

Legends : ○ = Good △ = Slightly Corroded × = Corroded

STANDARD COLOURS



The colours on this card are as close to actual paint as modern printing techniques would allow.

OTHER PRODUCTS

- Anti-static Floor Coating 帯電防止塗床
- Vinyl Ester FRP Lining 高度防食ビニル エステル系 FRPライニング
- Colour Floor hardener モノリシック カラー ハードナー



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