



REF : PROCS 2018/12

ACL-Prime OCS (Oil contaminated surfaces)

DESCRIPTION

ACL-Prime OCS is a two-component epoxy resin floor membrane that is tolerant of residual oil contamination in concrete substrates. It is essential that all surface and gross contamination is removed by cleaning with ACL Oil Remover and ACL Industrial Floor Cleaner.

ADVANTAGES

- Easy application
- Application onto substrates with engineering oil contamination
- Application onto substrates with Hygrometer readings up to 85%
- Solvent free
- Low odour
- Excellent adhesion
- Suitable for all ACL systems as subsequent floor finish

RECOMMENDED USES

- Concretes with oil contamination
- Where a dpm is ineffective
- Polymer screeds
- Certain underlayment screeds
- Factory floors
- As a non-dusting seal for contaminated concrete

PRODUCT INFORMATION

| System thickness (dry) | Solids content by weight | Pack sizes | Pack make up | Shelf life | Storage |
|------------------------|--------------------------|---------------------|--------------------------|--------------------------------|--|
| 200 microns | 100% | 4 kg. & 8 kg. | 1 x Base 1 x Hardener | 12 Months (Base & Hardener) | Keep out of direct sunlight. Store in a dry place, not below 15°C |

DRYING TIMES & COVERAGE RATES at 20°C

| Coverage rate | Pot life | Recoat time | Light traffic | Full traffic | Full chemical cure |
|--|------------------------|--|---------------|--------------|--------------------|
| 4 Kg. will cover 16 m ² @ 200 microns thickness | 30 Minutes from mixing | 8 hours or once surface has lost tackiness | 24 Hours | 72 Hours | Up to 7 Days |

Specification

Product : ACL-Prime OCS

Finish : Semi Gloss

Thickness : 200 Microns

Colour : Clear

Products required for this system

Prime: ACL-Prime OCS

System : As ACL specification

Surface Seal : As ACL specification

Preparation

ACL-Prime OCS is used in conjunction with **ACL Oil Remover** and **ACL Industrial Floor Cleaner**. The surface should be mechanically prepared to remove as much as possible of the contaminated surface. Apply **ACL Oil Remover** in accordance with the Data Sheet, and allow to work for not less than 20 min. Agitate with a scrubber and then wash off from the surface with **ACL Industrial Floor Cleaner**. Several cleaning cycles may be required to achieve the necessary level of cleanliness. Rinse the surface thoroughly with clean water to remove any residues and allow surface to dry.

Inspect the surface to ensure that there is sufficient surface key and that there is no free oil contamination remaining (or that oily material has not risen from the underlying concrete).

Concrete surfaces must be prepared by scarifying, vacuum shot-blasting, planing or other suitable method. All traces of concrete hardeners or other contaminants must be removed. The surface must be thoroughly vacuumed to remove concrete dust and then protected against further contamination by suitable means. Surfaces must be free from liquid water and atmosphere must not be condensing.

The product may also be applied to polymers, screeds and certain types of smoothing underlayments, provided these are well bonded. Such underlayments must be stable to the effects of water. If not the concrete floor must contain an integral damp-proof membrane to prevent further ingress of water from the ground.

Where laid onto a concrete surface where there is no DPM or where damage may have rendered the DPM ineffective due consideration must be given to the possible presence of hydrostatic pressure, and the consequences of creating a barrier layer resulting in the pressure /water flow being directed elsewhere.

IMPORTANT: ACL-Prime OCS will not bond to grossly contaminated surfaces and surface cleaning and preparation is an essential part of this process.

Application

The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and the curing period, as this could have an adverse effect on the system. Surface temperature must be above 5°C at all times.

Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: Mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

The mixed unit should be applied immediately by roller or brush with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

Category Guide

FeRFA Category : 3

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

| | | |
|--------------------------|-----|-----|
| Slip Resistance | Dry | n/a |
| Method BS7976 pt1-3 2002 | Wet | n/a |

The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult ACL.

| | |
|---------------------------|-----|
| Abrasion Resistance | n/a |
| Method BS8204 /ASTM D4060 | |

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|------------------------|---|
| Temperature Resistance | Tolerant of sustained temperatures of up to |
|------------------------|---|

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|---------------------|-----|
| Chemical Resistance | n/a |
|---------------------|-----|

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| Compressive Strength | n/a |
|----------------------|-----|

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| Flexural Strength | n/a |
|-------------------|-----|

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| Tensile Strength | n/a |
|------------------|-----|

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|-----|--|
| VOC | 91 g/l |
| | Calculation based on a full mixed unit |

| | |
|-----------------|---------------------------|
| Life Expectancy | Dependant on floor system |
|-----------------|---------------------------|

Health and Safety

ACL-Prime OCS is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by the ACL Industrial Flooring (ACL) Limited or its agents is based on the information supplied by the purchaser. ACL Industrial Flooring (ACL) Limited cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.