deckmaster ACC

PRODUCT DESCRIPTION:

The **Deckmaster ACC** coating system provides excellent anti carbonation protection with a minimum 15-year life expectancy.
Deckmaster ACC is both protective and decorative.
The system can be applied by brush, roller or spray.
This product has been formulated to comply with the requirements of BS EN 1504-2.

- **Deckmaster ACC coating** can be applied to most building materials, e.g. ***Concrete, blockwork, masonry, renders***
- They are not recommended for common Fletton brickwork
- **Deckmaster ACC** may be applied to brickwork for decorative purposes.

TECHNICAL DATA: **Anti-carbonation test results –**

The permeability values µ CO2 are: **Deckmaster ACC*** 2·07 x 10^6
The µ CO2 for good quality concrete is 400.
To protect concrete from carbonation, these coatings should be applied to clean, dry, sound substrates in a minimum two coat application to give a pinhole free surface. Porous or friable substrates should be treated with one coat of **Deckmaster ACC** diluted 10% by weight with water prior to coating.

Water vapour diffusion

Both Deckmaster ACC and the diluted Deckmaster ACC are breathable, allowing moisture within the substrate to escape. Equivalent air layer thickness (max. 4 metres Klopfer) **Deckmaster ACC** 0·9 m
*After 2000 hours weathering

FEATURES & BENEFITS:

- **Excellent anti-carbonation coatings**
- **Durable – life expectancy in excess of 15 years**
- **Resistant to chloride ion ingress**
- **Coatings allow vapour diffusion**
- **This product has been formulated to comply with the requirements of BS EN 1504-2**

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For complete protection, a two-coat application by brush, roller or spray is recommended.
Apply **Deckmaster ACC** at a minimum of 150 µm wet film thickness per coat.
Depending on drying conditions and surface suction, the **Deckmaster ACC** coating may be given a second coat in as little as 2 to 4 hours.
Do not apply below 4°C, when frost is expected or during rainfall.
Not to be used in buildings that are subject to fire regulations.

EU VOC REGULATIONS 2008:

EU limit for DECKMASTER ACC (cat A/c): 75 g/l (2007)/40 g/l (2010). **DECKMASTER ACC** contains <35 g/l VOC.

PREPARATION OF SUBSTRATE:

If considered necessary, substrates should be primed with Deckmaster ACC diluted 10% by weight with water. New surfaces should be clean, sound and dry. Concrete must be free of coatings or mould oil and any laitance should be removed, following which the surface can be primed as described above.

Old surfaces must also be clean, sound and dry. Glossy surfaces should be roughened to provide a key. Lichen, moss or fungal growth must be removed. Chalky or friable surfaces, or previously decorated surfaces which are flaking, should be wire-brushed to remove loose materials and then stabilised by one coat of Deckmaster ACC diluted 10% by weight with water.

COVERAGE RATE:

Coverage will depend on type of surface and porosity. The following is a guide for brush or roller application. For major contracts, we suggest a site trial is carried out to determine actual coverages.

Figures below are m^2 per KG per coat.

	Smooth Surface	Medium Roughness	Rough
DECKMASTER ACC	8 to 10	7 to 8	5 to 6
DECKMASTER ACC	7 to 10	5 to 7	4 to 5
(Diluted 10% by weight with Water)			

DECKMASTER ACC should be applied in two coats for full anti-carbonation protection to concrete.
For spray application allow 10 – 15% extra material.

APPLICATION:

For complete protection, a two-coat application by brush, roller or spray is recommended.
Apply **DECKMASTER ACC** at a minimum of 150 µm wet film thickness per coat.
Depending on drying conditions and surface suction, the **DECKMASTER ACC** coating may be given a second coat in as little as 2 to 4 hours. Do not apply below 4°C, when frost is expected or during rainfall.
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