Technical Data Sheet
Published in June 2002

REPCOAT

(Protective, decorative, anti-carbonation coating for Exterior / Interior surfaces)

Advantages:

- Anti carbonation properties
- Excellent weathering properties
- Excellent bond
- Excellent water repellency
- Forms flexible film
- Gap bridging properties
- Allows substrate to breathe
- Choice of colours
- Single pack, brush applied
- Non toxic / Non inflammable
- Anti Fungus

Product:
A high build microporous coating with excellent resistance to attack by carbondioxide, air borne chlorides, acid rain with exceptional weathering characteristics.

Purpose:
To provide a smooth decorative durable coating for concrete and masonry surfaces. Two coat application is recommended.

Pack:

1, 2, 5, 7, 12, 25kg containers

Coverage:
Repcoat will cover Approx. 3 to 4 Sq.mt. / kg / two coats (depends on substrate texture)

No.4, II Block, Chowdhary Complex, Nandanam Extension, 5th Street, Nandanam, Chennai – 600035
Tel: 24331817, 24335345, 52110993 Fax: 24338272 E-mail: dccil@vsnl.com Website: www.don-india.com

DESCRIPTION:
REPCOAT is ready to use elastomeric aqueous based coating containing special polymers and fillers. REPCOAT provides extremely tough protective decorative coating that allows surface to breathe.

USES:
REPCOAT has been specially designed for the decoration and protection of concrete against attack from atmospheric carbondioxide, airborne chlorides, acid rain, weathering, etc.

PROPERTIES:
REPCOAT is non inflammable and hence can be used for interiors also. REPCOAT has excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breathe and acts as carbondioxide barrier thus protecting the concrete in aggressive weather conditions. It has excellent gap bridging ability and does not age with time, and forms an extremely durable film.

Specific gravity	: 1.38
Surface finish	: Matt
Fire resistance	: Non inflammable
Application temperature	: 3-40^{o}C
Drying time	: 30 minutes at 30^{o}C
Touch dry	: 4 hours at 30^{o}C
Thorough dry	: 12 hours

Coverage 4m^2 / kg / two coats (dependent on substrate texture)
Single or two coats can be applied. Two coats are recommended on dark, absorbent, heavily, textured surfaces when full carbonation protection is required.
Porous rough and irregular surfaces will reduce coverage rates.

CARBONDIOXIDE DIFFUSION RESISTANCE
Co_2 = 690,000 (Based on Engelried Technique) for two coats application.

Two coats application (Equivalent to air thickness R = 200m at a film thickness of 209 microns). Effective barrier to carbondioxide is R > 50m.

CLEANING:
Tools should be cleaned immediately after use with water.

STORAGE: 12 months. REPCOAT should be stored unopened and protected from heat.

HOW TO SPECIFY:
REPCOAT shall be used strictly in accordance with the instruction of the manufacturers DON CONSTRUCTIONS CHEMICALS INDIA LTD.

HOWTO USE:
Surface Preparation:
Substrates must be clean, sound and free from dust and loose particles. All holes and cracks must be filled with suitable filler. All traces of oil, grease or other contamination must be removed.

The new concrete surfaces must be atleast 14 days old before coating. If in doubt allow full curing to take place for 28 days before application of REPCOAT.
On the new concrete surface, a white primer coat may be provided.
PRIMING WITH REPCOAT:
On old or porous surfaces, ensure that the substrate is sound. Dilute 2 parts of REPCOAT with 1 part of water and prime the surface. When it is tacky or touch dry (i.e. after ½ to 3 hours), apply REPCOAT on the primed surface, as final coat diluting REPCOAT with water 33% to 50% depending upon the ambient temp.

Note: Where Co_2 is high in the atmosphere i.e. R<50m or in severe saline conditions follow the mixing as below : Priming Coat - Water 33%
Final Coat -Water 10% to 20%

APPLICATION:
Stir the material in the container thoroughly and mix water as per the site requirement spread evenly with a brush, roller or airless spray. Avoid application during rainy weather. In hot, dry, weather, dampen unpainted surfaces with water to prevent REPCOAT drying out too rapidly.

COLOURS: Available in 20 different shades (Shade card available on request)

HEALTH AND SAFETY:
REPCOAT coating is nontoxic. All splashes should be removed with water.