PROTECTION OF CONCRETE STRUCTURES WITH ANTI-CARBONATION COATING

FAIRCOAT
PROPERTIES OF ANTICARBONATION COATING

PROVIDES RESISTANCE TO WEATHERING

The coating has excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breathe and acts as carbon dioxide barrier thus protecting the concrete in aggressive weather conditions.
PROPERTIES OF ANTICARBONATION COATING

EXCELLENT CARBONATION BARRIER

The micro-porous structure of the coating acts as a barrier to the entrance of Chlorides and Carbon Dioxide and other acid gases, at the same time allowing the passage of water-vapour from the substrate thus allowing the substrate to breathe.
WATERPROOFING PROPERTIES

Allows the walls to breathe still remaining waterproof. This coating allows water and vapor to transfer from inside the concrete to outside the concrete without any crack or failure in the coating. At the same time it does not allow water or vapor to penetrate the concrete structure.
PROPERTIES OF ANTICARBONATION COATING

DYNAMIC CRACK-BRIDGING PROPERTIES.

The elastomeric nature of this coating ensures good crack bridging properties, in case of structural movement.
Excellent bonding and long lasting

Excellent bonding of this coating to the surface ensures long lasting adhesion. A bright, clean, transformed exterior always adds value and durability to the structure.
FLEXIBLE & DURABLE

Unlike paint this type of coating is flexible so there is no cracking, flaking or peeling. Due to its excellent flexibility it gives high durability.

PROPERTIES OF ANTICARBONATION COATING

FAIRCOAT
AVAILABLE IN VARIOUS UV STABLE COLOURS
TYPES OF ANTICARBONATION COATINGS

• WATER BASED ANTICARBONATION COATING

• SOLVENT BASED ANTICARBONATION COATING

• CLEAR ANTICARBONATION COATING
WATERBASED ANTICARBONATION COATING

SMOOTH FINISH

FAIRCOAT
WATERBASED ANTICARBONATION COATING

TEXTURED FINISH

FAIRCOAT
SOLVENT BASED ANTICARBONATION COATING

SMOOTH FINISH
FAIRCOAT
SOLVENT BASED ANTICARBONATION COATING

TEXTURED FINISH

FAIRCOAT
CLEAR ANTICARBONATION COATING

It is designed to penetrate deeply into high quality reinforced concrete so as to afford optimum protection against absorption of water and pollutants as well as freeze/thaw cycles.
WHERE ANTICARBONATION COATING CAN BE USED

• Where new and existing concrete and masonry structures require protection from Water, Carbon Dioxide, Sulphur Dioxide, Oxides of Nitrogen, Chlorides, Sulphates and UV radiation.

• Flyovers, Elevated Expressways, Railway Bridges, Metro Rails, Commercial and Industrial buildings, Bridges, Subways, parking, High rise flats, etc.
Eco-friendly Anti-carbonation coating

FAIRCOAT INSULTECH
Eco-friendly Anti-carbonation coating

Provides Protective Thermal barrier that can enhance building climatic conditions and reduce utility costs.
Temperature reduction from 8% to over 20% along with Protection against wind and rain.
Tested and approved by various laboratories across the world
## IIT Bombay

**To:** M/s. FAIR MATE

**Subject:** Testing of Anti-Corrosion Paint of Fairmate Chemical Pvt. Ltd.

Find below the results of the FAIRCOAT paint sample submitted to us.

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard</th>
<th>Description</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>SPEC. GRAV.</td>
<td>1.18</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td>SOMA.</td>
<td>9.68</td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td>ZINC.</td>
<td>9.68</td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td>FIELD TEST</td>
<td>PASS</td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td>WATER PROOFING</td>
<td>100%</td>
</tr>
</tbody>
</table>

No change was observed.

Test results pertain to sample submitted to us.

Dear Sir,

I appreciate your cooperation in this matter.

Yours sincerely,

[Signature]

---

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[Signature]
Indian Institute of Chemical Technology, Hyderabad

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**REPORT**

**Sub:** Testing of Anticorrosion Protective Coating - Results

<table>
<thead>
<tr>
<th>No.</th>
<th>Characteristic</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Specific Gravity</td>
<td>1.40</td>
</tr>
<tr>
<td>2</td>
<td>Solid Content (% / Mass)</td>
<td>30.9</td>
</tr>
<tr>
<td>3</td>
<td>Dry Film Thickness (after 1 hour) (in Microns)</td>
<td>270</td>
</tr>
<tr>
<td>4</td>
<td>Coverage (after 2 coats) (in sqm/m²)</td>
<td>424</td>
</tr>
<tr>
<td>5</td>
<td>Reversibility (in lb)</td>
<td>27</td>
</tr>
</tbody>
</table>

Analysis has been carried out as per IS: 58 - 2008. Table 6.6

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1. This Certificate refers to the samples examined only.
2. These Results should not be used for commercial purposes (advertisement).
Test Report from Germany
FAIRMATE

The only Indian company having ISO 9001, ISO (EMS) 14001 & ISO OHSAS 18001 certification
FAIRMATE
A proud member of The Indian Green Building Council

FAIRCOAT
3rd International conference on Construction Chemicals
Conclave-2012
Hotel Le Royal Meridian, Chennai
9-10 February, 2012

“Global Trends in Construction Chemicals”

FAIRCOAT

The House of Construction Chemicals
Thank You ..