



# AC 20

## Anti-carbonation facade protective coating

### DESCRIPTION

AC 20 is an extremely weather resistant water based acrylic anti carbonation protective coating. The high build breathable coating exhibits excellent resistance to attack by carbon oxide, air borne chlorides and acid rain.

### USES

Protection of concrete and masonry of

- Buildings and structures in coastal areas
- Marine or offshore structures such as jetties and berths
- External facade in chemical manufacturing plants, fertilizer manufacturing plants, power plants
- Bridges, flyovers, aquaducts, viaducts
- Chimneys, cooling towers and silos
- Walls, ceilings and columns in multi storey car parks

AC 20 is not recommended for areas likely to be subjected to traffic.

### FEATURES

- High resistance to Carbon dioxide (CO<sub>2</sub>)
- Resistance to fungi & algae growth
- Excellent UV resistance
- Excellent flexibility & crack bridging properties
- Economic and versatile product

### PHYSICAL PROPERTIES

AC 20	@ 27 ± 1°C
Density	1.30 g/cc
Solids	60 ± 2%
Application temperature	5°C to 40°C
Touch dry	1 hours
Full cure	7 days
Elongation ASTM D 413	200%
Tensile strength ASTM D413	4 - 5 kg/cm <sup>2</sup>
Pull off Strength ASTM D4541	>1 N/mm <sup>2</sup>
Water vapour permeability ASTM E 96	20 gms/m <sup>2</sup> /24 hours
Permeability to CO <sub>2</sub> EN 1062-6:2002	> 50m
Reduction in chloride ion ingress @28 days	97%
Overcoat Interval	8 - 10hrs

### COVERAGE ESTIMATES

<b>Pack Size</b> 20 litres	<b>Coverage</b> Approximately 3.50 m <sup>2</sup> /ltr @ 200 microns in 2 coats (without dilution)
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### APPLICATION INSTRUCTIONS

#### Surface Preparation

The surface to be treated must be dry, clean, structurally sound, and free from oil, grease, wax, polish, laitance, dust and other barrier materials. All holes and cracks must be filled with a suitable filler material such as ACF 8 (acrylic crack filler paste).

#### Priming

Apply WPM 209 primer using a brush or roller. Allow it to dry for 6 hrs.

**Note:** WPM 209 should be applied on concrete which is 28 days old.

#### Application

Add 20% of water to the container of AC 20 and stir well before application. AC 20 may be applied by brush or roller in 2 coats with an overcoat interval of 8 - 10 hrs.

### CLEANING

AC 20 can be removed from tools and equipment by using clean water immediately after use. Any hardened material will need to be removed mechanically.

### STORAGE AND SHELF LIFE

AC 20 has a shelf life of 18 months if kept in a dry, clean store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

### PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and by using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Prolonged contact with the skin should be avoided. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

### DISPOSAL/SPILLAGE

Spillage of any product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

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For further information please refer to the Material Safety Data Sheet.

### CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

### NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



### ARDEX ENDURA (INDIA) PRIVATE LIMITED

an ISO 9001:2008 certified company  
Corporate Office & Regd. Office: Unit No. 406 & 407,  
"Brigade Rubix" No. 20, HMT Campus,  
Yeshwantpur Hobli, Bengaluru - 560013.  
CIN No: U24233KA1997PTC022383 Tel: +91 80 66746500  
Email: [customercare@ardexendura.com](mailto:customercare@ardexendura.com)  
Website: [www.ardexendura.com](http://www.ardexendura.com)

### Branches

• AHMEDABAD	079 26425310	• HUBBALLI	0836 2970505	• PATNA	+919934687909
• AURANGABAD	+918888480847	• HYDERABAD	040 27650293	• PUNE	020 64781879
• BENGALURU	080 22230138	• INDORE	0731 4021148	• RAIPUR	0771 6539055
• BHUBANESHWAR	0674 2421901	• JAIPUR	0141 2392993	• SALEM	0427 2211454
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• GHAZIABAD	0120 6541564	• MUMBAI	022 25862776	• VISAKAPATNAM	0891 6469499
• GOA	0832 2750992	• MYSURU	0821 2570171		
• GUWAHATI	+917896002188	• NAGPUR	+919822223743		