

OVERVIEW

Vapogard AC220 is superior quality 100% pure acrylic water based anti-carbonation coating, suitable for use on exterior and interior surfaces of concrete, plywood, antirust primed steel, etc. Vapogard AC220 protects concrete from carbonation (anti-carbonation coating) and provides outstanding protection to substrate against UV rays. Vapogard AC220 is available in selected exterior range of colours and can be applied by brush, roller, airless or conventional spray.

PRODUCT GRADES/CODES

AC220 White	61136
AC220 Pastel Base	61137
AC220 Mid Base	61138
AC220 Clear Base	61139

PROPERTIES

Vapogard AC220 contains materials which provide excellent weather and pollution-resistant properties, as well as precisely graded special fillers to ensure the coated surface always maintains its original decorative beauty. Vapogard AC220 has a matt finish when dry.

AREAS OF USE

Vapogard AC220 can be used on new or old surfaces of concrete, brickwork, plasterwork, plywood, galvanized steel and anti-rust primed steel. It is suitable for housing developments, industrial and commercial complexes, bridge facades, girders and roof trusses, site cabins, etc. It is widely used as anti-carbonation coating for basement car park walls and ceilings.

PREPARATION OF SURFACE

New surfaces: Ensure that all dust, dirt and foreign matter are scraped and brushed away. Also ensure the surfaces are free from salts, oil, grease and ridges. Protect all adjacent surfaces not to be covered. All cracks, chips, voids and damages should be repaired with Terraco Handycoat Fine / Handycoat Stucco Putty (for interiors) / Handycoat Exterior (for exteriors)

Old surfaces: Before applying to old surfaces, ensure the substrate is firm. First wash down the surface with a sugar soap solution, rinse and allow to dry before repairing or applying the primer.

PRIMING

Dusty and flaking surfaces should be primed with Terraco Penetrating Primer.

APPLICATION & CLEANING OF TOOLS

Very porous substrates should be filled and may require a diluted first coat. Apply the coating by brush, roller or spray in 2 -3 coats allowing 2 -4 hours drying time between coats. The application operation should be continuous in order to avoid dry edges; therefore plan the application work accordingly.

Clean tools and equipment with water after use.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKAGING and STORAGE

Terraco Vapogard AC220 is supplied in 18 litre and 3.6 litre containers.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

TECHNICAL DATA

Product	High performance one pack anti carbonation coating
Binder	Pure acrylic resin
Pigments	Lime and light-fast. Weather and pollution-resistant.
Colours	According to TERRACO colour charts. Any special colours can be matched on request.
Carbon Dioxide Diffusion SD (m) (=μ CO₂.s)	400 meters
Average Carbon Dioxide Permeability (i) in g/m²d	0.71
Drying Time	1 - 2 hours per coat. Recoating time: 2 – 4 hours. (Depending on site conditions).
Viscosity	15,000 – 20,000 cps at 25°C
Specific Gravity	1.30-1.40
Solid Content	55±1%
pH Value	8.0-9.0
Dilution	With water if necessary. The first coat may be diluted with 10% water for multiple coat application.
Application Method	Roller, spray, brush.
Packaging	18 litre and 3.6 litre plastic pails.
Storage	12 months in original unopened containers.

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