

PRODUCT DATASHEET

OMEGA UNICRYL PURE Anti-Carbonation 4041

General Description

An ultra-premium quality, high performance, pure acrylic emulsion paint with weatherproof and anti-carbonation technology to provide ultimate protection against the ingress of carbon dioxide, oxygen and water, whilst allowing damp substrates to breathe without blistering. This product also incorporates an active in-film fungicide which inhibits the growth of mold and covers cracks with excellent holdout.

Recommended Use

Ideal for interior and exterior walls and surfaces; plaster, concrete, cement rendered, brick walls, and masonry. Recommended for areas subject to high traffic, car parks, bridges, subways, high rise flats and roofing.

Apply two coats for best results. Apply over Omega Unicryl Pure Primer 2010 or Omega Unicryl Signature Primer 2016.

Features

- ✓ Weatherproof, anti-carbonation coating
- ✓ High performance, outstanding durability
- ✓ Strong opacity, hiding power, and color retention
- ✓ Certified to diffuse carbon dioxide and prevent mold growth with water vapor transmission
- ✓ Environmental friendly with low VOC
- ✓ Sustainable surface solution, easy application

Limitations

Not for use on areas that are continually wet like showers. Moisture content must be below 12% and well ventilated.

Do not apply when air and surface temperatures are below 10 °C.

Technical Data

Color	Various colors available, contact Omega's representative
Finish	Matt - Smooth and/or Textured
Vehicle Type	100% Acrylic Emulsion
Pigment Type	Titanium Dioxide
Volatile Organic Compounds (VOC)	20 gm/Ltrs low VOC product, environmental friendly
Solids Contents	59% +/- 2% by volume 71% +/- 2% by weight
Dry Film Thickness (DFT)	Dry: 120 µm (indicative) Wet: 200 µm
Dry Time	To touch: 3 hours To recoat: 6 hours (30 °C) High humidity and cool temperatures will result in longer dry, recoat and service time
Dries by	Evaporation
Theoretical Spreading Rate (TSR) at Dry Film Thickness	5m ² per liter (depending on the nature and condition of the substrate)
Specific Gravity	1.55 gm/cm ³
Surface Temperature at Application	Minimum allowed is 10 °C Maximum humidity during application and curing is 85% and dew point above 3 °C
Thin With	Sweet Water, 5-15%
Clean Up Thinner	Sweet Water
Available Package Size	5 USG, 20 Ltrs
Shelf Life	6 months, sealed and kept at normal temperature (not in direct sunlight)

unitco

Manufactured and Distributed by Unitco Group of Companies, Established in 1981, CR No. 1493
PO Box 1018 Manama, Kingdom of Bahrain, Tel: 1773 0015, Fax: 1773 2288, Web: unitcogroup.com



PRODUCT DATASHEET

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure for 30 days before applying base coat. Cured plaster should be hard, have a slight sheen; soft, porous or powdery plaster indicate improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming.

Caution: Smooth planed clapboards or siding must be sanded thoroughly to break the "mill glaze" allowing proper penetration and adhesion. Moisture content must be below 12% and well ventilated. Product should not be applied on surfaces / substrates that are subject to continuous seepage or dampness or during rain.

Difficult substrates: Omega Paints® offers a number of specialty primers for use over difficult substrates. Your Omega Paints® representative can recommend the right problem-solving primer for your special needs.

WARNING: If you scrape, sand or remove old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear an approved respirator to control lead exposure. Carefully clean up with a vacuum and a wet mop.

Application Method

Stir thoroughly before and during use. Apply one or two coats. For best results, use a premium custom-blended nylon/polyester brush, premium roller, or a similar product.

System Specification

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. This product is used best for interior and exterior surfaces subject to high traffic, carbon dioxide pollution, and to prevent mold growth.

Storage and Handling

The product must be stored in accordance with national regulations and should be kept in a cool and well ventilated place. Protect from heat and direct sun light, handle with care and stir well before use.

Health and Safety

Apply under well-ventilated conditions. Do not breathe or inhale mist. When applying, wear air-mask and avoid skin contact. Spillage on skin should be immediately removed with suitable cleanser, soap, or water. Eyes should be well flushed with water and medical attention to be sought immediately.

Disclaimer

The information is given in good faith. We warrant our product is of good quality and manufactured in accordance to rigid standards. Failure of this product due to misuse or bad storage is beyond the manufacturer warranty. The company pursues a policy of continuous improvement in product innovation, and as such, reserves the right to change the given data without prior notice. Contact Omega's representative or visit www.omegapaints.net for more info.

Revision date: September 2020. This datasheet supersedes the previous issue.

unitco

Manufactured and Distributed by Unitco Group of Companies, Established in 1981, CR No. 1493
PO Box 1018 Manama, Kingdom of Bahrain, Tel: 1773 0015, Fax: 1773 2288, Web: unitcogroup.com

