

PRODUCT DATASHEET

OMEGA UNICRYL PURE Matt Emulsion 4050

General Description

A premium quality, highly washable, easy to use, 100% Acrylic water-based emulsion paint with strong opacity, whiteness, and rich matt finish. This product has excellent leveling properties, with exceptional color retention and hiding power, with long-lasting application, highly recommended for ceilings.

Recommended Use

Ideal for residential or commercial high traffic areas where a rich matt finish is desired. New or previously painted walls - plaster, masonry, drywall; new or coated acoustic ceilings.

Apply two coats for best results. A coat of Omega Paints® Water-based Varnish (Matt or Gloss) can be used for added washability and protection.

Features

- ✓ Highly washable, rich matt finish
- ✓ Superior coverage, strong opacity
- ✓ Excellent leveling, color retention, and hiding power
- ✓ Environmental friendly with low VOC
- ✓ 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
Vehicle Type	100% Acrylic Emulsion
Pigment Type	Titanium Dioxide
Volatile Organic Compounds (VOC)	20 gm/Ltrs low VOC product, environmental friendly
Solids Contents	30% +/- 2% by volume 50% +/- 2% by weight
Dry Film Thickness (DFT)	Dry: 30 µm (indicative) Wet: 100 µm
Dry Time	To touch: 40 minutes To recoat: 4 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	10m ² per liter (depending on the nature and condition of the substrate)
Scrub Resistance	Pass 3000 Cycles
Viscosity	95-125 KU
Opacity	97.7%
Gloss @ 60°	2.5 GU
Specific Gravity	1.30 – 1.45 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 Ltrs, 5 USG
Shelf Life	12 months, sealed and kept at normal temperature (not in direct sunlight)

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Approvals and Certificates

Determination of Gloss @ 60° - BS EN ISO 2813:2014

Determination of Touch Dry Time – By Surface Drying

Determination of Opacity – BS EN 2814:2006

Determination of Scrub Resistance – ASTM D 2486

Determination of Volatile Organic Compounds (VOC) – BS EN ISO 11890-2:2006

Additional certificates and approvals may be available on request

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. This product can also be sprayed.

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 Water-based Emulsion Coatings; plaster, masonry, and drywall. Use Omega Paints® Water-based Varnish (Matt or Gloss) for added washability and protection as final coat.

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.

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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.

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