

EQ Series

designer grade epoxy quartz coating



DEVELINE

Short Description

Develine EQ Series are two component, high-quality, resinous decorative coatings. EQ products bring aqueous epoxy technology to the most refined end of the microcement spectrum. Combining the exceptional hardness of an epoxy matrix with ultra-fine quartz aggregate, this system is engineered for surfaces where both beauty and chemical resistance are required: wet areas, commercial kitchens, and luxury residential interiors. Developed for professional applicators, EQ Series Products deliver an exceptionally smooth, durable surface with outstanding color consistency and superior resistance to staining and moisture.

Advantages

- › Used on both vertical and horizontal surfaces
- › interior and exterior application.
- › Due to its extremely thin final layer (<2 mm), EQ Coatings are ideal for renovation projects and applications where minimal intervention to the existing structure is required.
- › Excellent color retention
- › Low odor for use in occupied areas
- › USDA approved for food handling applications

Substrate Requirements

- › Clean the areas and remove all unsound concrete, grease, oil, paint, asphalt, tar and any other foreign materials that will inhibit performance.
- › Substrates must be stable, solid and structurally sound.
- › Substrate must be mechanically profiled by shot-blasting, sand blasting or scarifying to achieve a CSP 3.
- › For applications over cutback adhesive residue, wood surfaces, non-porous substrates such as terrazzo, ceramic and quarry tile, burnished concrete, epoxy coatings, painted surfaces and metal, please contact Duraamen's technical staff.
- › Movable expansion or control joints must be reflected through the microcement.
- › Prior to priming allow surface to dry thoroughly to prevent dilution of the primer.
- › On or below grade installation must have an efficient vapor barrier under the slab (min 10-15 mil).
- › Moisture vapor transmission must be less than 3lb per ASTM F1869 and less than 80% RH per ASTM F2170 unless Duraamen moisture mitigation system is used.

NOTE: When removing existing flooring, any asbestos containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

Application

- › Substrate temperature must be a minimum of 50°F clean and free of standing water.
- › For highly absorbent substrates, apply one coat of a Develine Aqua Primer.

- › After 2–3 hours, apply the first layer of Develine EQ Fine. Subsequently, apply one additional layer of Develine EQ Fine with a minimum interval of 3 hours.
- › Twenty-four hours after the last Develine EQ Fine layer, apply one layer of Develine EQ Superfine.
- › After a further 24 hours, the final surface may be sealed with Aqua 2K Matte Varnish.

NOTES:

- › Do not apply when the ambient temperature is below 5°C or above 45°C, and when relative humidity exceeds 70%.
- › Under conditions of intense heat, it is recommended to wet the surface before applying the first coat.
- › Pigmented version should not be used as a topcoat

Recommended Applications

- › Resurfacing damaged and discolored concrete surfaces
- › Resurface hard surfaces like ceramic or porcelain tiles after proper surface preparation
- › Resurface driveways, patios, garages, sidewalks, pool decks, porches
- › Spraydown and knockdown applications
- › Stenciled Concrete Applications

Composition

100% solids amine cured epoxy resin

Clean Up

Clean skin with soap and water. Tools and equipment should be cleaned with Acetone or Lacquer thinner. Consult MSDS for safety and health precautions.

Coverage

1.0kg / m² (150 – 175ft² / pail)

The coverage mentioned here is in laboratory conditions. Actual coverage may vary depending on the site conditions and the person applying the product

Support

For installation instructions specific to your project, please contact your Duraamen representative.

Maintenance

After completing the application of Develine EQ Epoxy Quartz, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Develine EQ Epoxy Quartz is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

Color Selection

Develine EQ Epoxy Quartz is available in Clear or Standard Colors. Custom colors are available subject to laboratory approval, minimum quantity, lead time for production, and increased cost.

Notes

The present technical information is provided by Develime specialists following extensive testing and research on the products and their performance; however, it does not imply any responsibility when conditions of use are beyond our control. It is recommended that the product is always checked for suitability in a specific application. Develime products are developed with the aim of achieving the highest possible performance in the safest possible manner. Always consult safety data sheets and handle products accordingly. For professional use only.

Develine Products are sold globally from three locations in the United States and 1 location in the UAE by Duraamen Engineered Products, Inc. Contact a Duraamen representative in your area for details.

Technical Data

Composition	Two-component resin decorative plaster with 200 mm aggregates
Appearance	Dense paste
Color	White by default – available in a wide range of colors upon request
Mixing ratio	Ready for use
Consumption per layer (kg/m ²) ¹	0.5 – 0.8
Layer thickness	< 2 mm
Specific gravity (kg/l), 23°C approx.	1.7 (fresh mortar)
pH	12 – 12.5
Adhesion (N/mm ²)	0.9 (BDS EN 1015-12:2003)
Water vapor permeability (kg/m ² ·s·Pa)	3.77 × 10 ⁻¹¹ (BDS EN 1015-19:2001 +A1:2006)
Solar reflectance (white)	0.89
Pot life	Ready for use (T = 23°C, RH = 50%)
Drying parameters ³	Touch dry: 1 – 1.5 hours Time between coats: 2 – 4 hours Time before protection application: 24 hours
Packaging	Available in 10 kg buckets
Ambient air temperature / humidity	+5°C min / +45°C max, RH < 70%
Surface temperature	+5°C min / +45°C max
VOC (Volatile Organic Compounds)	EU limit value for VOC content (Directive 2004/42/EC) for this product (category A(I)): 140 g/l (2010). The product contains up to 28.3 g/l VOCs.

¹ Consumption depends on the absorbency of the substrate.

² All resin products have a standard drying time depending on their thickness; however, actual hardness is achieved through the mixing of two components.

³ Depending on climatic conditions (temperature, relative humidity).

Warranty

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