

DURACAST MODIFIER

Water-based Acrylic Co-polymer Curing Emulsion

Product Description

Water-based, all acrylic co-polymer emulsion for curing admixtures used in GFRc. Duracast Modifier also has long term natural aging data to verify that its use in GFRc composites improves aged flexural properties. Duracast Modifier can be used in precast concrete to reduce absorption, maintain color uniformity and reduce or eliminate crazing and efflorescence. It is also used in concrete repair products and bond agents due to its superior adhesive properties.

Benefits & Features

- Allows demolding in as little as 24 hours
- Eliminates the seven day wet cure required to achieve the maximum strengths of concrete
- Use in GFRc composites improves aged flexural properties
- Use in precast concrete reduces absorption, maintains color uniformity, and reduces or eliminates crazing and efflorescence
- Used in concrete repair and bonding agents due to its superior adhesive properties

Technical Information

Solids by Weight	51% (+/-1%)
Viscosity 23 degrees	100 - 300 cps
pH	8 - 10
Density at 20°C	1055 kg/m ³
Tg	11°C
Particle Size	.1300 - .2500
Grit	0 - 50 ppm

Storage

Duracast Modifier should be stored in a closed container, in a dry environment at storage temperatures between 40° - 80°F. Storage should be enclosed, out of direct sun light and away from direct sources of heat. With proper storage conditions the normal shelf life will typically be 9 months.

Mix Formula

Duracast Modifier	2.5 lbs
Water	6 lbs
Cement	20 lbs
VCAS	5 lbs
Sand	21 lbs
Deco Super Flow	.25 oz
*ARC Glass Fiber	1.75 lbs

Optional: Deco-Crete Liquid Colorant (Amount varies based on color chosen)

*ARC Glass Fibers added into back coat only, do not use in spray coat.

ORRVILLE
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Orrville, Ohio 44667
(330) 682-5678

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7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770

COLUMBUS
690 Harrison Drive
Columbus, Ohio 43204
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www.eco-cretesupply.com

Mix Instructions

- Mix water and Duracast Modifier in a 5 gallon bucket
- Mix in Cement
- Min VCAS
- Mix in Sand
- Mix in Deco Super Flow
- Add Deco-Crete Liquid Colorant (Optional)
- Add small amounts of additional water if needed

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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