



THE EUCLID CHEMICAL COMPANY

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EUCOLITH "R"



CONCRETE BLOCK PLASTICIZER

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EUCOLITH "R" is an ammoniated ethanol sulfonate designed to aid in the production of machine formed concrete products. Its plasticizing action improves the appearance, moldability and green strength of the products. Its cement dispersing properties assist in greater utilization and hydration of the cement and in increased compressive strengths. EUCOLITH "R" is ready to use and does not require agitation or further mixing. EUCOLITH "R" is not a soap nor does it contain calcium chloride.

PRIMARY APPLICATIONS

- Block
- Pipe
- Split block
- Slump brick
- Tile
- Precast concrete

FEATURES / BENEFITS

- Plasticizes for easy stripping and increased production
- Improves texture and lightens color
- Improves green strength and makes for easier handling
- Improves cohesiveness and reduces cracking
- Higher final compressive strengths
- Denser, more watertight unit

PACKAGING

EUCOLITH "R" is packaged in bulk, 275 gal (1041 liter) totes, 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

TECHNICAL INFORMATION

Typical Engineering Data

8" X 8" x 16" Unit - 1400 lb sand, 1200 lb gravel
(203 x 203 x 406 mm) (635 kg) (544 kg)

| Mix | Average Wt. | Average psi | Cement | Eucolith |
|-----|-----------------------|------------------|--------------------|-------------------|
| 1 | 38.62 lb (17.5 kg) | 2125 (15 MPa) | 325 lb (147 kg) | 10 oz (296 ml) |
| 2 | 37.60 lb (17.1 kg) | 1705 (12 MPa) | 300 lb (136 kg) | 9 oz (266 ml) |
| 3 | 37.68 lb (17.1 kg) | 1572 (11 MPa) | 300 lb (136 kg) | none ----- |

8" X 8" X 16" - 1700 lb sand, 2600 lb solite
(203x203x406 mm) (771 kg) (1179 kg)

| Mix | Avg psi | Cement | Eucolith | Silica flour |
|-----|-----------------------------------|--------------------|-------------------|-------------------|
| 1 | 30.75 lb (13.95 kg) (9.46 MPa) | 300 lb (136 kg) | 15 oz (444 ml) | 170 lb (77 kg) |
| 2 | 30.00 lb (13.61 kg) (8.21 MPa) | 280 lb (127 kg) | 15 oz (444 ml) | 150 lb (68 kg) |
| 3 | 30.33 lb (13.76 kg) (7.82 MPa) | 280 lb (127 kg) | 12 oz (355 ml) | 150 lb (68 kg) |
| 4 | 30.33 lb (13.76 kg) (7.82 MPa) | 300 lb (136 kg) | none | 170 lb (77 kg) |

Appearance

EUCOLITH "R" is a light yellow, free flowing liquid which when added to concrete, does not change the concrete's natural appearance.

Shelf life is 2 years in original, unopened package.

DIRECTIONS FOR USE

EUCOLITH "R" is used at a rate of 2 1/2 to 4 oz/100 lb (155-250 ml/100 kg) of cement depending on the mix design and type of aggregate being used. EUCOLITH "R" can be added to each batch of concrete either manually or with automatic dispensing equipment. EUCOLITH "R" should be added with the water for immediate dilution and distribution throughout the batch.

PRECAUTIONS / LIMITATIONS

- Protect from freezing.

Form Eucolith "R"-6.98

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