



EUCLID CHEMICAL

EUCON 37 "P"

POWDERED HIGH RANGE WATER REDUCING ADMIXTURE

DESCRIPTION

EUCON 37 "P" is a powdered admixture used for enhancing the flowability of cement grouts. Low water:cement grouts can be easily mixed and pumped using EUCON 37P. It is specially suited for geotechnical cement grouting applications where flowability is required without sacrificing strength or durability. No chlorides are used in the formulation so it's ideally suited for grouting tendons, anchors and micropiles.

PRIMARY APPLICATIONS

- Rock and Soil Anchors
- Micropiles
- Cement Permeation
- Microfine
- Watertight concrete

FEATURES/BENEFITS

- Easier to store and transport
- Enables the production of higher strength grouts
- Enhances flowability of cementitious grouts
- Allows for the mixing and placing of low water : cementitious grouts
- Decreases grout cohesion for greater penetration into fissures and pore spaces
- Decreases grout bleed and increases grout durability

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:

Compressive Strength (% of Control)			Flexural Strength (% of Control)		
	Specification	Eucon 37 "P"		Specification	Eucon 37 "P"
1 day	Min 140	169.7	3 days	Min 110	144.2
3 days	Min 125	161.4	7 days	Min 100	126.2
7 days	Min 115	151.8	28 days	Min 100	117.1
28 days	Min 110	153.8			
6 months	Min 100	151.4			
Freeze / Thaw					
Relative Durability Factor - 96.79%					

SHOTCRETE

EUCON 37 "P"

PACKAGING

EUCON 37 “P” is packaged in 5 gal (18.9 L) pails

SHELF LIFE

2 year in original unopened package.

SPECIFICATIONS/COMPLIANCES

EUCON 37 “P” meets or exceeds the following requirements:

- ASTM C 494, Type A & F
- AASHTO M 194
- ACI 201 and ACI 318 Minimal chloride content

DIRECTIONS FOR USE

Anchor, Micropile, Soil Nail Grouts

When 7 day grout strengths of 4,000 psi are required, use 4 ½ to 5 gallons of water per 94 pound sack of cement. When all the cement has been added to the mixer and mixed, add approximately two scoops of EUCON 37P per sack of cement to the mixer. The grout can be dosed with up to 4 scoops total EUCON 37P should it be needed to increase flowability.

High Early Strength Anchor, Micropile, Soil Nail Grouts

When early stressing of anchors or loading of piles is required, high strengths (5,000+ psi) can be achieved within 24 hours. Use approximately 4 gallons of water per 94 pound sack of cement two or more scoops of EUCON 37P. Mix as described above. Additional admixture can be used (up to scoops total) if the grout flowability is not sufficient. The actual grout strength is dependent on cement used and site conditions. Test all grout mixes prior to using.

Cement Grouting

For permeation grouting of rock and soils, use 1 to 3 scoops of EUCON 37P for each 100 pounds of cementitious materials (cement, flyash, slag, silica fume). For greatest effect, a stabilizing agent such as bentonite or biopolymer, or EUCO TATER STARCH should be used to reduce bleed and increase pressure filtration. Additional admixture can be used (up to 4 scoops total) if the grout flowability is not sufficient.

PRECAUTIONS/LIMITATIONS

- Test mixes may be required due to variations in local materials and conditions
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

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