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**NON-SHRINK GROUT ADDITIVE**

**CALGROUT No. 3 & 3B**

**REQUIREMENT:**
CALGROUT No. 3 is an Aluminum based non-ash additive for cementitious grout mixes.

**FUNCTION:**
CALGROUT No. 3 functions by combined dispersion and surfactant effects, together with a compound which generates minute quantities of gas under pressure, during the first few hours from batching. Water requirement is effectively reduced.

**WHERE RECOMMENDED:**
Calgroat No. 3 is particularly recommended for:
- Rock-grouting in dam foundations
- Oil well cementing
- Machine foundations
- Mining and tunnel grouting
- Sealing cracks in basement walls, etc.
- Sub-pavement grouting, roads and airfields
- Bridge deckings and road-paving
- All concerning where internal-settlement contraction in framework must be prevented.

**NOTE:**
Dose rate is not highly critical, and may vary up to 10% from selected rate without adverse effects.

**DO NOT use more than 100 gms per bag, unless high air-entrainment is desired. See information overleaf.**

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**BONDING AGENT FOR CONCRETE, RENDERS & PLASTERING**

**CALBOND**

**REQUIREMENT:**
Boding to brick, concrete or masonry, without roughening or bonding. Bonding agent for interior renders and toppings, as well as for bonding concrete at concrete construction joints, etc.

**WHERE RECOMMENDED:**
All rendering onto non-roughened surfaces, including integrally waffted concrete.

**PRODUCT TO USE:**
**CALBOND**

**HOW TO SPECIFY:**
Calbond forms a plastic "key" into the surface pores of the base masonry, which when not fully dry will partially re-dissolve in the damp render or plaster.

**REQUIREMENT:**
Exact moisture condition (10 – 20 minutes) before applying render or plastering.

**WHERE RECOMMENDED:**
- All rendering onto non-roughened surfaces, including integrally waffted concrete.
- Repair of cracks and faults in masonry.
- Bonding to brick, concrete or masonry, without roughening or bonding.
- Bonding agent for interior renders and toppings, as well as for bonding concrete at concrete construction joints, etc.

**FUNCTION:**
Boding to brick, concrete or masonry, without roughening or bonding. Bonding agent for interior renders and toppings, as well as for bonding concrete at concrete construction joints, etc.

**WHERE RECOMMENDED:**
Calbond No. 3 & 3B

**NOTE:**
For service under wet areas or wetting drying conditions, Cementaid WELDCRETE is recommended to be used instead.

**PRODUCT TO USE:**
**CALBOND NO. 3 & 3B**

**HOW TO SPECIFY:**
Calbond forms a plastic "key" into the surface pores of the base masonry, which when not fully dry will partially re-dissolve in the damp render or plaster.

**WHERE RECOMMENDED:**
- All rendering onto non-roughened surfaces, including integrally waffted concrete.
- Repair of cracks and faults in masonry.
- Bonding to brick, concrete or masonry, without roughening or bonding.
- Bonding agent for interior renders and toppings, as well as for bonding concrete at concrete construction joints, etc.
TEST CYLINDERS WITH CALGROUT NO.3

1:1 cement mortars, with W/C ratio 0.45
were mixed with varying amounts of Calgroat No.3
as shown, and poured level with top in each mould.
Note: pre-setting settlement of control mix, and offsetting
effect of Calgroat dosage.

NOTE: Overloaded samples at 0.5% and 1.0% shown are
for comparison only - not normally recommended.