

you can **RELY** on



## NON-SHRINK GROUT ADDITIVE

### SPECIFICATION FOR

# CALGROUT No. 3 & 3B

#### REQUIREMENT:

**CALGROUT NO. 3** is an Aluminium based non-shrink ADDITIVE for cement/cementitious grout mixtures.

**CALGROUT NO. 3** is designed specifically for assisting penetration of Portland cement grout into the finest possible fissures and crevices. In addition, initial setting shrinkage and volume change from loss of moisture into rock strata etc., is offset by an expanding agent.

#### PRODUCT TO USE:

### CALGROUT No. 3 & 3B

Non-Shrink Grout Additive

#### HOW TO SPECIFY:

“**CALGROUT No. 3** shall be added to cement grout at (100 to 140 grams) per 40 kg bag of cement, prior to adding water. The grout mix should be used within 1/2 hour of batching, for optimum penetration and void filling action.

Water content to be reduced to minimum for required flow. A water-cement ratio of 0.45 is the maximum recommended.”

#### NOTE:

Dose rate is not highly critical, and may vary  $\pm$  10% from selected rate without severe effects.

DO NOT use more than 150 grams per bag, unless high air-entrainment is desired. See information overleaf.

#### 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:

**Calgrout 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 decking and road-paving
- \* All concreting where initial-settlement contraction in formwork must be prevented

For very high-strength non-shrink grout applications, (eg. >40MPa) see Cementaid CALGROUT No. 1 or No. 7.

#### CALGROUT No. 3 B

**CALGROUT No. 3** is also prepared in modified form and pre-packed in cans.

**Dose rate is 1 can for each 40 kg bag of cement.**



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INDUSTRIAL FLOOR SPECIFICATIONS • CONCRETE WATERPROOFING & CORROSION-PROOFING ADMIXTURES  
OIL & SOLVENT PROOFING • SURFACE TOUGHENING & DUSTPROOFING • ANTI-CORROSION IMPREGNATIONS  
RAPID HARDENING • RETARDING • GEL CONTROL AGENT • MORTAR AND DAMPCOURSE ADMIXTURES, etc.

The information and recommendations herein are, as a result of experience and testing, accurate to the best of the seller's knowledge. However, as the proposed use and the circumstances surrounding such use are not known to the seller, it does not guarantee or warrant the product's suitability in any particular instance and shall not be liable for any loss or damage consequent upon any use whatsoever unless the seller has otherwise stipulated the product's suitability for a particular use in writing signed by a Director of the seller.

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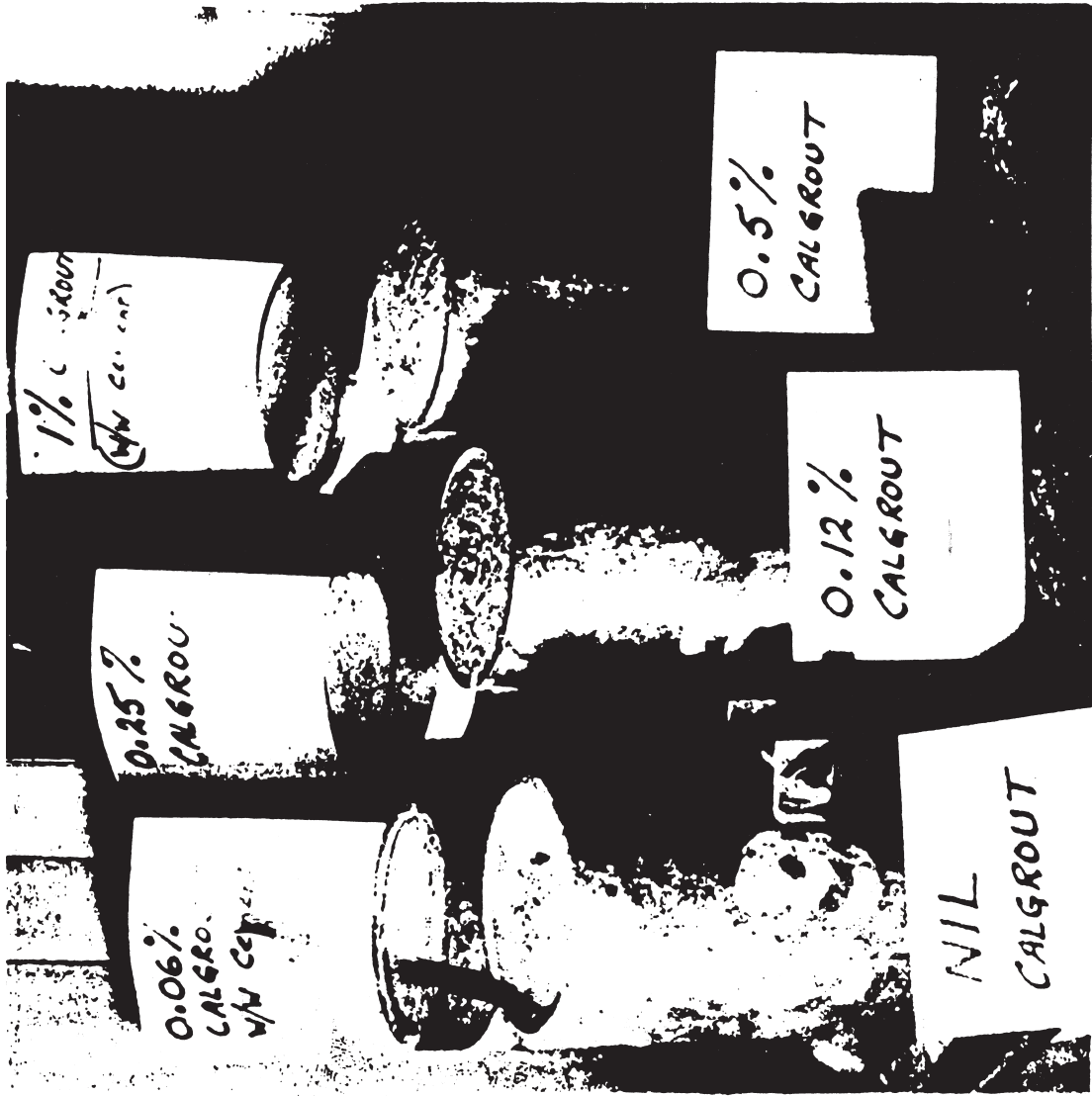
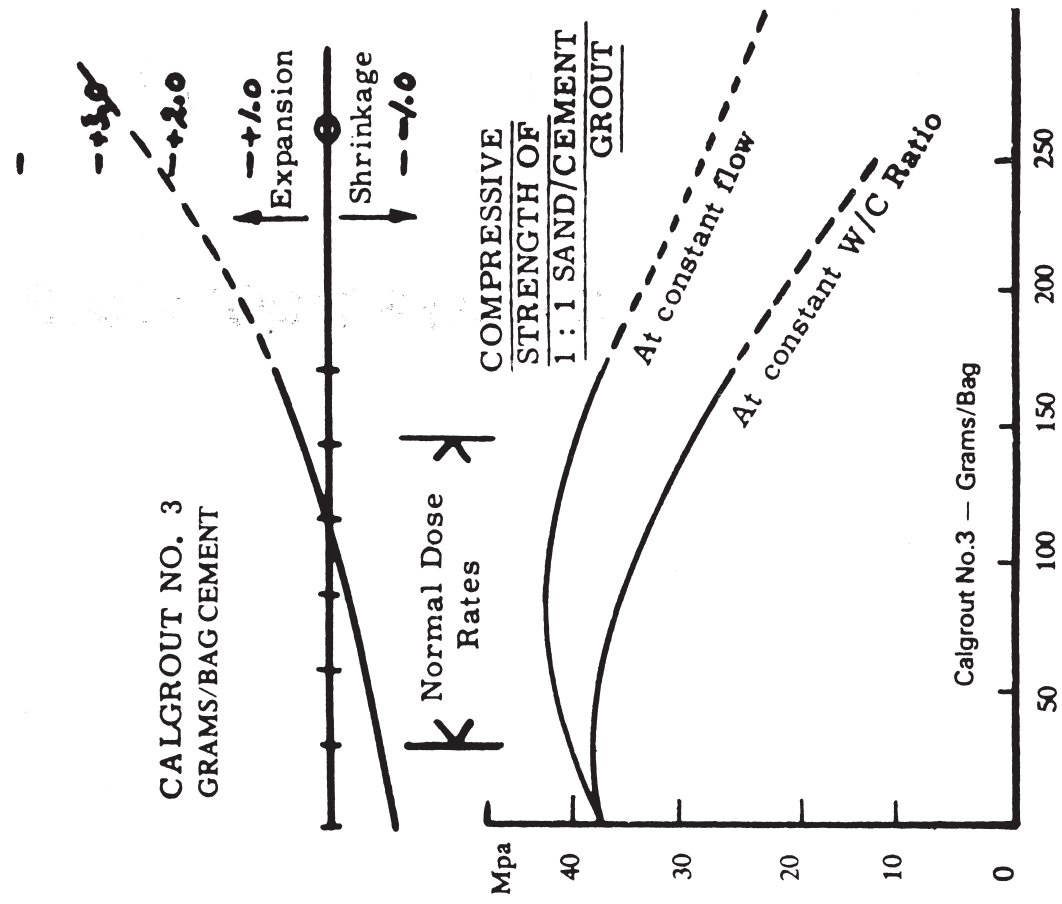
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PERFORMANCE GRAPH OF CALGROUT No.3



TEST CYLINDERS WITH CALGROUT NO.3

1 : 1 cement mortars, with W/C ratio 0.45 were mixed with varying amounts of Calgrout No.3 as shown, and poured level with top in each mould. Note pre-setting settlement of control mix, and offsetting effect of Calgrout dosage. NOTE: Overdosed samples at 0.5% and 1.0% shown are for comparison only - not normally recommended.