



## Technical Data Sheet

# FLOADD

### Super-plasticising, shrinkage compensating, grout admixture

An admixture for cementitious grouts designed to provide a reduced water:cement ratio and positive expansion.

#### ADVANTAGES:

- High fluidity
- Reduced water:cement ratio
- Higher strength
- Iron free
- Chloride free
- Excellent adhesion
- Eliminates shrinkage
- Durable mortar

#### PRODUCT:

A single pack powdered admixture which, when added to cement (or sand/cement) produces a free-flowing, high strength, non-shrink grout.

#### PURPOSE:

Ideally suited for grouting and in-filling where a non-shrink, free-flowing produce is required. FLOADD imparts superplasticising high water reducing properties as well as positive expansion.

#### USAGE:

1 X 200g of admixture per 50kg cement.

#### PACK:

200g in sealed polythene packs.

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**EXPANSIVENESS:**

Slight expansion during setting leads to superior bonding to surrounding materials.

**DOSAGE:**

200g of FLOADD, when added to 50kgs O.P.C. will require approx. 20 litres of water, the yield of grout being about 36 litres. With a 1:1 sand/cement mix the same quantity of FLOADD will be required per 50kg O.P.C. and the addition of a similar quantity of water results in a yield of approx. 55-58 litres.

N.B.: For leaner grout mixes, where the aggregate / cement ratio exceeds, 1:1, then 2 X 200g of FLOADD should be used per 50kg O.P.C.

**USE OF FLOADD:**

The substrate should be sound, clean and free from contamination. Concrete surface should be carefully pre-wetted, and all surplus water removed prior to grout application.

The FLOADD should be added to the premixed sand/cement (or cement only), and the mixed material gradually added to the water and mixed thoroughly by mechanical means for between 3 and 5 minutes.

Place the grout within 20 minutes of mixing.

Grouts made with FLOADD may be applied at temperatures of between 5°C and 40°C.

The pouring side should be raised by means of a hopper or grout box to maintain a minimum 150mm head of grout at all times.

**CURING:**

Protect any exposed grouts from severe weather conditions during the early stages of cure by the use of hessian, Polythene sheet water application or by SETCRETE 8 curing aid.

**CLEANING:**

Clean all equipment immediately after use with clean water.

Typical values based on 70.6mm cubes tested under restraint.

Water/Cement ratio	Compressive Strength (N/mm <sup>2</sup> )	
	7 days	28 days
0.40	41.7	51.1
0.45	28.2	43.1

(1:1, Cement / Sand Mortar)  
Cement: L&T 53 grade OPC  
Sand: Zone II

Don makes available range of cementitious high strength, non shrinking ready to use grouts Flogrout / Flogrout 40 and epoxy grouts Quickmast 231/232 for use in machine bases and bolt pockets.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions, etc.

In view of the continuing research and development being undertaken in our laboratories, we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request.

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