**CALFORM NX**

**REACTIVE FORM RELEASE AGENT**

**SPECIFICATION FOR**

**REQUIREMENT:**
For production of A-Grade off-form concrete finishes.

To prevent adhesion of concrete to forms and concrete handling equipment.

To reduce surface adhesion of concrete forms, and to produce high quality off-form concrete.

To reduce formation of ‘bug holes’ in off-form concrete.

**PRODUCT TO USE:**
CALFORM NX

**HOW TO SPECIFY:**
CALFORM NX to be sprayed or brushed applied to all contact surfaces of formwork at the rate of 13 to 20 square metres per litre, depending on timber or metal formwork. Use sparingly and ensure no excess or pooling.

**EFFECTS:**
CALFORM NX reacts with the alkali present in the cement to form a microscopic water repellent film between concrete and formwork, to produce a high quality finish on stripping. By this action, formwork is protected against continuous wetting and drying action and cement sticking to the treated form surface.

**LIFE OF CALFORM NX ON FORMS:**
Where forms have only occasional use, they should be coated with CALFORM NX prior to stacking in yard. However, before using again, a further coating of CALFORM NX should be applied. CALFORM NX applied to forms in excess of one week would not perform as expected due to evaporation of the more volatile petroleum components of the material.

**WHERE RECOMMENDED:**
For all A-Grade off-form concrete finishes.

On all formwork, ledges, wheelbarrows, scaffolding, showes and tools of trade in contact with cement or concrete.

**CAUTION:**
Use sparingly and avoid excess or ‘pooling’.

Where rough or sawn timber are used as re-usable formwork, Cementaid CALFORM CREAM should first be applied to all form surfaces, to protect against curling / deformation of forms and resultant staining from leaching of natural timber resins.

When CALFORM NX is used and CALCURE B is to be used, take care to clean down concrete surface removing all traces of very fine powder residue prior to the application of CALCURE B. This powder normally washes away in a few days but may be trapped by early application of curing compound.

**NOTE:**
CALFORM NX may be used on Aluminium or steel frames to protect against adhesion of concrete or mortar.

**AQUAPEL**

**WATERPROOFING & CORROSION-RESISTING ADMIXTURE**

**SPECIFICATION FOR**

**REQUIREMENT:**
Integral waterproofing and damp-proofing for concrete, renders & toppings, etc.

Control of water absorption and dampness transmission by capillary action.

Enhance durability and resistance to corrosion / corrosive environments.

(For Heavy & Extra Heavy Duty applications see Cementaid “3CC” & “Caltite”).

**PRODUCT TO USE:**
AQUAPEL

**HOW TO SPECIFY:**
‘All concrete (apart from sections) shall incorporate Cementaid AQUAPEL at the rate of up to 1:1.5% per 40 kg bag of cement used, with water content adjusted to maintain slump’.

For optimum basic density, the minimum cement content for concrete mix should be 335 kg per cubic metre. However AQUAPEL is effective in a wide range of cement content mixes, in accordance with users preference. For best results, the leach + AQUAPEL: cement ratio should not exceed 0.45. A superplasticizer may be used for higher workability/placement slump.

**EFFECTS:**
Reduces water absorption and transportation of moisture by 75-80%, compared to normal concrete. Typical test absorption (BS 1881:Pt.122:1983) <1.5%, vs. similar plain concrete ~4%. Gives a slight increase in workability.

**NOTE:**
AQUAPEL can be detected in wet concrete by the slight odour of ammonia present. Allows good ventilation during works, particularly if sensitised.

**APPLICATION:**
CONTACT CEMENTAID FOR SUPPLY AND APPLICATION SERVICE

**INDUSTRIAL FLOOR SPECIFICATIONS**

CONCRETE WATERPROOFING & CORROSION-PROOFING ADMIXTURES
OIL & SOLVENT PROOFING
SURFACE DURABILITY & RUSTPROOFING
ANTI-CORROSION APPLICANTS
PAPER HARDENING
RETREADING
GEL CONTROL AGENT
MORTAR AND DAMPCOURSE ADMIXTURES

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OIL & SOLVENT PROOFING
SURFACE DURABILITY & RUSTPROOFING
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**The information and recommendations herein are, as a result of experience and testing, accurate to the best of the author’s knowledge. However, as the conditions are and the circumstances pertaining thereto are not known to the seller, if not, provide data or refer to the products 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 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 use in writing signed by a Director of the seller.**