

POLYCURE FT EXTRA

An all acrylic polymer curing agent for GRC
and other cementitious systems.

Polycure FT Extra eliminates the need for moist curing of GRC products.

CURING OF GRC AND OTHER CEMENTITIOUS PRODUCTS

Cementitious products should be moist cured to ensure that there is sufficient retained moisture for complete hydration of the cement. This is particularly critical for thin skin GRC products. The recommended curing regime is a wet cure at 95% relative humidity for 7 days. In many cases this is not practical due insufficient factory space.

POLYCURE FT CURING SYSTEM

When Polycure FT Extra is added to the mix at the recommended dosage it forms a film within the matrix during the first few hours of curing. The formation of this film significantly reduces the permeability and thus lessens the loss of water by evaporation ensuring that sufficient water is available for complete hydration.

RECOMMENDED DOSAGE

The recommended dosage level for Polycure FT Extra is between 5 and 7 kgs for 50 kgs of cement. Polycure FT Extra is an emulsion containing a minimum of 50% solids, so a dosage rate of 5kgs per 50kgs may also be stated as 5% polymer solids by weight of cement.

MIXING METHOD AND MIX DESIGN

The Polycure FT Extra should be added to the mixer after the water has been added and before the cement and sand. The amount of water should be reduced by the amount of water in the polymer and further reductions will be possible because of the plasticising effect of the polymer. Additional plasticisers or super plasticisers can be used and it is recommended that trial mixes are undertaken to assess their compatibility.



TECHNICAL DATASHEET

ANTI-FOAM

Polycure FT Extra contains an antifoaming agent which is sufficient for most applications but additional antifoam may be added during mixing.

TECHNICAL DATA (TYPICAL)

Compound Type	Aqueous Thermoplastic Dispersion
Polymer Type	Acrylic
% Solids	51% +-1%
Free Monomer Content	Max 0.2%
Appearance	Milky White Liquid Free From Lumps
Odour	Mild
pH	4.5-5.5 At 25°C.
Minimum Film Formation Temp.	11.0°C
Average Polymer Particle Size EPS MICROTAC	150-250NM
Ultra Violet Resistance	Good
Alkali Resistance	Good
Brookfield RVT (SPL20RPM)Viscosity	50-300 mPa (23°C)
Freeze-Thaw Stability	Store Above 5°C
Specific Gravity	1.055 At 25°C

All above values are approximate.

STORAGE & SHELF LIFE

Six months when stored in dry warehouse conditions (5 – 20°C)

PROTECT FROM FROST

