

EVERBUILD MORTAR ADMIX

DESCRIPTION

EVERBUILD MORTAR ADMIX is an air entraining liquid plasticising admixture which forms extremely stable air bubbles in mortar mixes. The admix improves workability and freeze/thaw resistance in brick laying mortars, reduces the need for lime and smoothes out variations between separate batches of sand and cement. Conforms fully with the requirements of BS 4887 (1986)

BENEFITS

- * Outperforms traditional Vinsol Resin Based plasticisers (See specific data)
- * Contains a special additive which keeps air in the mix longer than most other competitive admixtures.
- * Improves trowelability.
- * Easier tamping down and alignment.
- * Improves workability.
- * Provides resistance to freeze/thaw cycling down to -2°C in both wet and dry mortar.
- * Chloride free (chloride ion content <0.1%).
- * Reduces bleeding.
- * Replaces lime in mix, hence reduces possibility of lime bloom and efflorescence.

AREAS OF USE

- * Load bearing brickwork
- * Block laying
- * External/Internal rendering
- * Pointing/repointing brickwork.

LIMITATIONS

- * Do not use in structural concrete.
- * Do not overdose.
- * Do not mix with other additives in same gauging water.
- * Do not use in lime based mixes

APPLICATION

In all cases, add to mix at an addition rate of 150ml to 250ml per 50kg cement , depending on the degree of plasticising/entrainment required. Note: remember to reduce required quantity of water accordingly. One litre of MORTAR ADMIX added to a 200ltr drum of gauging water will be sufficient for gauging approx. 4 x 50kg cement for mortar or render mixes. Whilst overdosing should be avoided, this formulation does safeguard against moderate overdosing. (up to double the maximum rate).

The following are examples of modified mix designs.

1: 0.25 :3 cement : lime : sand.

use 1 : 3 cement : sand : + MORTAR ADMIX:

1:1:6 cement : lime : sand.

use 1 : 6 cement : sand + MORTAR
ADMIX

BRICKLAYING/POINTING Use a mix design appropriate to brick strength (1 : 3 to 1 : 6).

INTERNAL RENDERS 1 : 6 + MORTAR ADMIX

EXTERNAL RENDERS 1 : 3 + MORTAR ADMIX

SPECIFIC DATA

APPEARANCE:	Dark brown/red liquid with characteristic odour.
S.G (20°C):	1.00
FREEZING POINT:	-10°C approx.
CHLORIDE ION CONTENT:	Nil.
STORAGE:	Store at moderate temperatures.
SHELF LIFE:	Up to 2 years when stored according to manufacturers instructions.
USAGE	Using at an addition rate of 150 - 250cc per 50kg cement,
SPECIFICATION	BS4887 (1986)
VOL AIR ENTRAINED:	14 - 20%
LOSS AFTER 1HR STANDING:	Not reduced by more than 3% from vol. air entrained.
LOSS AFTER EXTRA 15 MINS MIXING:	Not reduced by more than 5% from vol. air entrained.

Extra tests were carried out in over and above those required by BS4887, to simulate more effectively actual performance requirements in site conditions. One such comparative test is shown below, which simulates the actual loss of air form a mortar mix due to vibration when transferred to site.

	% AIR CONTENT AFTER MIXING FOR			% AIR CONTENT AFTER 1 HOUR SIMULATED WORK TEST.	
	5 MINUTES	15 MINUTES	INCREASE (LOSS)		DECREASE
BLANK	2.92	2.68	(0.24)	NOT TESTED	-
VINSOL RESIN	16.75	17.84	1.09	14.01	3.83
EVERBUILD M.A	17.10	19.31	2.21	16.23	3.01
COMP. PROD.	16.20	17.13	0.93	9.78	7.35

All tests were carried out at the same dosage levels.

From this data, it can be seen that EVERBUILD MORTAR ADMIX performs favourably even when compared to traditional Vinsol based formulae on a solids for solids basis.

HEALTH AND SAFETY

Safe in normal use. Do not eat or drink during use. Avoid contact with skin, clothes and eyes. Remove splashes with soap and water. If product enters eyes, rinse immediately with cold water and seek medical attention. If ingested, give plenty of water to drink and seek medical attention. Keep away from children and animals. See separate 16 point data sheet for full assessment.

STORAGE

Store in original unopened containers between 5 and 40°C.

SHELF LIFE

Up to 2 years in unopened containers.