

PRODUCT DATA SHEET

EVERBUILD® 201 Mortar Admix

AIR ENTRAINING PLASTICISER FOR BRICK LAYING & PLASTERING MORTARS.

PRODUCT DESCRIPTION

EVERBUILD® 201 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.

USES

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

CHARACTERISTICS / ADVANTAGES

Out-performs 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 ion content <0.1%
- Reduces bleeding.
- Replaces lime in mix, hence reduces possibility of lime bloom and efflorescence.

Freezing Point	-10°C
Usage	Using at an addition rate of 125 – 250cm ³ per 50kg cement
Vol Air Entrained	14 - 20%
Loss After 1 Hr 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

APPROVALS / STANDARDS

Conforms to BSEN934- Part 3 (2009).
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
Blank	5 Mins: 2.92 15 Mins: 2.68 (0.24 Loss)	Not Tested -
Vinsol Resin	5 Mins: 16.75 15 Mins: 17.84 (1.09 Increase)	14.01 3.83 Decrease
Everbuild M.A	5 Mins: 17.10 15 Mins: 19.31 (2.21 Increase)	16.23 3.01 Decrease
Comp. Prod	5 Mins: 16.20 15 Mins: 17.13 (0.93 Increase)	0.93 7.35 Decrease

All tests were carried out at the same dosage levels. From this data, it can be seen that EVERBUILD® 201 Mortar Admix performs favourably even when com-

pared to traditional Vinsol based formulae on a solids for solids basis.

PRODUCT INFORMATION

Packaging	5Ltr and 25Ltr Jerry Can 200ltr Drum
Appearance / Colour	Dark brown/red liquid with characteristic odour.
Shelf Life	Up to 2 years in unopened containers.
Storage Conditions	Store in original unopened containers between 5°C and 40°C.
Density	0.98-1.02 g/cm ³
pH-Value	11.5 - 13.5
Conventional Dry Material Content	3.6 - 4.4%
Total Chloride Ion Content	<0.1%

APPLICATION INSTRUCTIONS

MIXING

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 EVERBUILD® 201 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 + EVERBUILD® 201 Mortar Admix

1:1:6 cement : lime : sand.

use 1 : 6 cement : sand + EVERBUILD® 201 Mortar Admix

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

INTERNAL RENDERS: 1 : 6 + EVERBUILD® 201 Mortar Admix

EXTERNAL RENDERS: 1 : 3 + EVERBUILD® 201 Mortar Admix

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.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the

declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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