

TECHNICAL DATA SHEET

MORTAR ADMIX



DESCRIPTION



Harris Mortar Admix is a liquid ultra stable 'micro' air entraining mortar plasticiser designed to enhance the workability and freeze thaw resistance of brick and block laying mortars.

Harris Mortar Admix may be used to replace or supplement the use of lime, and is designed to maintain efficiency with variations in cement and aggregate sources. Harris Mortar Admix conforms to EN 934 Part 3 (2009) specification for air entraining (plasticising) mortar admixtures.

BENEFITS

- Ultra-stable bubble structure
- Uniform air entrainment structure
- Works with most types of Portland Cement and difficult sands
- Increased resistance to damage by freeze/thaw
- Reduced segregation and bleed
- Non-corrosive to embedded metals
- Increased working time
- Easier and faster mortar spread
- Can be used to replace lime

TYPICAL USES

Harris Mortar Admix is designed to be used as a mortar plasticising admixture in brick and block laying mortars. The 'micro' air entraining properties of Harris Mortar Admix greatly improves the workability of the mortar whilst reducing water demand, thus greatly reducing the likelihood of cracking and crazing. Harris Mortar Admix will also provide enhanced resistance to frost attack in both wet and hardened mortar state.

DIRECTIONS FOR USE

APPLICATION: Harris Mortar Admix may be either pre-mixed with the water or added directly into the mix at the same time as the water. NB The superior plasticising qualities of Harris Mortar Admix will result in a significant reduction in water demands of any given mix.

DOSAGE: In all cases, add to mix or to gauging water at an addition rate of 125ml to 250ml (0.25 – 0.5 pint) per 50kg (110 lbs) cement, depending on the degree of plasticizing/entrainment required. Note: remember to reduce required quantity of water accordingly. One litre (quart) of Harris Mortar Admix added to a 200 litre (50 gallons)

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drum of gauging water will be sufficient for gauging approx. 4 x 50 kg (110 lbs) cement for mortar or render mixes.

Comparative mix designs with and without Harris Mortar Admix as shown below:

Cement: Sand +Harris Mortar Admix	Cement: Lime: Sand	Masonry: Cement: Sand	Typical Uses
1:3	1: ¼ :3	-	Laying load bearing brickwork.
1:4:5	1: ¼: 4 ¼	-	External rendering (exposed positions). Backing and bedding coats (rough cast).
1:6	1:1:6	1:4:5	Internal plaster, floating coats, rendering.
1:3 to 1:6	varies	-	Brickwork pointing or re-pointing.
1:8	1:2:9	1:6	Laying blocks or concrete or sand/lime bricks.

COMPATIBILITY: Harris Mortar Admix can be used with other admixtures provided these are added separately to the mix. It can be used for all types of Portland Cement, including Sulphate Resisting. It can also be used in lime/sand mortars as a further precaution against frost.

PROPERTIES

Specific Gravity	1.004@ 20°C
pH	11.0
Colour	Red
Chloride Ion Content	< 0.1% (w/w) of admixture (nil)
Freezing Point	-2°C

PACKAGING SIZES

Gallon (3.785 Litres) and Five Gallon (18.92 Litres)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

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Skin contact	Wash immediately with plenty of soap and water. There may be mild irritation at the site of contact.
Eye contact	Bathe the eye with running water for 15 minutes. There may be irritation and redness.
Ingestion	Wash out mouth with water. There may be irritation of the throat.
Inhalation	No symptoms

Storage: Store at moderate temperatures. Will freeze but can be reconstituted by stirring after thawing. Stir before use.

Shelf Life: Minimum two years when stored in accordance with the manufacturer's instructions.

TECHNICAL ASSISTANCE

For advice and recommendation on the use of all Harris/BH Paints and Building Products, consult the Harris Technical Department, Tel: (246) 429-4840.

Email: technical@harrispaintsonline.com