

Hawker® LATEX

Technical Data Sheet

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Identification No:

1 268 18

Hawker LATEX

for Concrete substrates

DESCRIPTION:

Hawker® LATEX is a acrylic emulsion for adding to cement motars where the best adhesion and water resistance are required.

The product is suitable for use in tropical and hot climatic condition.

TYPICAL USES:

Hawker® LATEX

is used as a high quality emulsion that substantially improves the qualities of cement mortars in applications such as:

- Thin layer patching mortars
- Renders
- Floor screeds
- Concrete repair mortars
- Abrasion resistant linings
- Tile fixing mortars
- Masonry mortars

Hawker® LATEX

is simply added to the mixing water to provide the following properties:

- Extremely good adhesion
- Reduced shrinkage
- Greater flexibility
- Excellent water resistance
- Increased abrasion resistance
- Improved chemical resistance
- Non-corrosive
- Ready for use

CHEMICAL PROPERTIES*:

Result

Specific Weight,	Approximately	1.06 kg/liter
Mixed Viscosity, cps	< 2000	(Brookfield LV #2, 12 rpm)
Solids by weight	50.0%	
pH	7.8	
Minimum Film Forming Temperature	17 Degree C	
Stabilization	Anionic	
Odor	Mild	
Color	Milky white to off-white	
Shelf Life - Unopened Containers	12 months	

Technical Data

Density Approximately 1.06 kg/lt.

Application Details

Substrate Preparation

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition

Dispersion

Pre-mix Hawker® LATEX and clean water, then add cement and sand until desired consistency is achieved. Mix for at least 3 minutes until a homogeneous mixture is achieved.

Application

For all application apart from sprayed on renders, a bonding bridge should be brushed into the prepared surface

1. Bonding Bridge

Cement : Sand : Liquid (1 part Hawker® LATEX + 1 part Water) = 1 : 1 : 1 (by volume) or

Cement : Sand : Liquid (1 part Hawker® LATEX + 1 part Water) = 1.5 : 2 : 1 (by weight)

Apply the Slurry onto the pre-wetted substrate in 1-2 mm thickness and apply the subsequent mortar renders immediately (wet onto wet application).

2. Repair Mortars

Portland cement Sand Hawker® LATEX Water Admixture	50 kg 125 kg (+25 kg) 7 liter 12 liter	50 kg 125 kg (+25 kg) 9 liter 9 liter	50 kg 125 kg 7 - 9 liter 11 liter
Yield	approx. 90 liter	approx. 90 liter	approx. 100 liter

3. Flooring, Adhesive and Grouting Mortars

Mix / Application	Heavy duty floor, patch repair mortar for industrial floors	Adhesive mortar for bonding tiles, slip bricks, coping stones, kerbs, etc	SBR modified grout. Sealing cracks and stabilizing unbonded screed
Portland cement Sand Aggregate Hawker® LATEX Water Admixture	50 kg 75 kg 75 kg (2.5 – 5mm) 4-6 liter 12 liter -	50 kg 125 kg (+25 kg) 9 liter 9 liter -	50 kg 125 kg - 7 - 9 liter 9 liter 0.25 kg Intraplast
Yield	approx. 100 liter	approx. 90 liter	approx. 95 liter

Aggregate Grading

Aggregates should be sharp, well graded and thoroughly washed. Sand particle sizes should correspond to the thickness of mortar to be applied and required surface finish.

Thickness/Application	Grading
< 2 mm	0 - 0.5 mm
2 - 10 mm	0 - 1.0 mm
10 - 25 mm	0 - 2.3 mm
> 25 mm	0 - 5.0 mm

Curing

Standard curing practices must be followed.

Cleaning

Clean all equipment and tools with water immediately after use.

Remarks

Renderings and floor toppings should be allowed to cure correctly. Avoid excessive air-entrainment through over mixing. Do not use neat Hawker® LATEX or Hawker® LATEX Water as a bonding agent, always add cement and sand. Normal "concrete" mixers are not suitable for Hawker® LATEX mortars; the higher performance 'creteangle' or forced action paddle type mixers are recommended. Always keep the water/cement ratio to a minimum to enable correct working and compaction. A w/c ratio of less than 0.4 is advisable. Mortar toppings should be finished by wood float or steel trowel. Care should be taken to prevent rapid drying of Hawker® LATEX mortars by the use of polythene, damp hessian or concrete curing compounds. Maximum layer thickness per application should not exceed 40 mm. Ensure hardened layers are mechanically "keyed", wetted and grouted.

Notes

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

Safety

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Hawker®LATEX products, are given in good faith based on Hawker®LATEX's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with

Hawker®LATEX'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. Hawker®LATEX 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