

# Dr. Fixit Unifix DRT 1001 A



## LIGHT WEIGHT BLOCK LAYING MORTAR ADHESIVE

### Description

Dr. Fixit Unifix DRT 1001 A is a ready mix mortar that requires only addition of water. It is composed of organic & hydraulic binders, water retaining agents & fine additives. It is a premium grade dry thin adhesive for laying aerated lightweight blocks.

### Typical Applications

Fixing of light weight blocks / AAC block.

### Features

**Quality** - Pre-packed quality controlled premixed mortar.

**Suitability** - Specially formulated for Middle East climatic conditions.

**Thin layer adhesion** - Excellent adhesion with thin joint application.

**Ease of application** - Convenient and easy to apply.

**Workability** - Improves workability.

**Water resistant** - Good resistance to water after curing.

**Economical** - Highly cost effective.

**Shrinkage** - Negligible shrinkage.

### Packaging

50 kg

### Method of Application

#### 1 SURFACE PREPARATION

- The surface should be sound, clean, and free from dirt, oil or grease.
- The surface should be free from loosely adhered materials.
- The lightweight blocks should be cleaned using a brush to remove any dust or loose particles.
- The suction of the blocks should be neutralized by applying clean potable water on them.
- Free water on the surface should be allowed to disperse prior to the application.

#### 2 MIXING

- Mix 50 kg of Dr. Fixit UniFix DRT 1001 A with 10 to 12 liters of water in a clean container to a uniform lumps free consistency with a mechanical mixer.
- For best results, use a mechanical mortar mixer and mix thoroughly until all material is wet and of a smooth plastic consistency.
- Addition extra water to the mortar after initial mixing is not recommended.
- Material which has begun to harden or is caking should not be used.
- Moisten the surface with water before the application.

#### 3 APPLICATION

- Apply a full mortar bed on the clean foundation, footing or ledge and carefully place the block into the setting bed before the mortar starts forming a skin.
- In order to get uniform thickness of the mortar, comb it with a serrated trowel before placing the block on it.
- Lightly tap the block in place using the handle of the trowel. This assures good contact between the blocks and the mortar.
- Push masonry blocks into mortar to form uniform vertical joint with minimum gap.
- Point all the horizontal joints when mortar has set to thumb print hard.
- When placing consecutive courses, remove the excess mortar with a quick striking motion of the trowel.
- Ideal application temperature is between +5° C and +35° c



#### 4 CURING

- o The applied mortar adhesive has to be cure 3-4 times a day for at least 3 days by spraying with water. Protect the newly applied material from sunshine and wind.

#### Technical Information

PROPERTIES	RESULTS
Binder	Ordinary Portland cement
Color	Grey
Size of aggregate	0.6 mm max
Water/ Powder Ratio	0.20-0.24
Density	1.70 ± 0.10
Working time	60 minutes @23°C
Compressive strength	≥ 5 N/mm <sup>2</sup> @ 28 days (BS EN 196-1)
Flexural strength	≥ 1N/mm <sup>2</sup> @ 28 days (BS EN 196-1)

#### Yield

A 50 kg bag = 35 liters approx. of fresh mortar.

#### Shelf Life

Shelf life is 12 months from the date of manufacturing in unopened conditions. Store in a shaded area at dry condition away from sunlight.

#### Health and Safety

- o Cementitious mortars and slurries, when mixed with water, release alkalis which can be harmful to the skin. Protective clothing, such as gloves and goggles, should be worn (see packaging for specific instructions).
- o During use, avoid inhalation of dust and contact with skin and eyes.
- o In case of contact with skin, rinse with plenty of clean water then cleanse with soap and water.
- o In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advise.
- o Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

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