

BLOCK FIX HW301

Product Description

Hard Worker Block Fix – HW301 is a high-performance, polymer-modified dry mix mortar made with cement, graded sand, and performance-enhancing additives. Designed for all types of brick and block laying applications, except AAC blocks. It ensures high compressive strength, excellent workability, and consistent bonding. Ready to use, mixed with clean water, it speeds up construction with a durable, self-curing finish.

Specification

- **Factory-blended formulation ensures uniform quality**
- **Self-curing – saves water and simplifies site practices**
- **Excellent workability for faster masonry works**
- **Compatible with red bricks, fly ash bricks, solid and laterite blocks**
- **No on-site batching needed – just add water and apply**

Application Areas

Recommended for:

- Laying red bricks, fly ash bricks, concrete blocks, solid and laterite blocks
- Both residential and commercial masonry walls
- Standard bed thickness of 10–12 mm

Substrate Preparation

Ensure surfaces are clean, free of dust, oil, grease, or loose particles
Pre-wet bricks before use to reduce water absorption from mortar

Mixing Instructions

Use 16–18% water for mixing
Pour powder on a clean platform and turn over at least 3 times for uniformity
Add water slowly and mix until a consistent, workable paste is formed

Application Instructions

Apply mortar evenly using a trowel
Maintain 10–12 mm bed thickness
Align using string lines and check plumb regularly
Ensure vertical joints are fully filled
Use within 60 minutes of mixing
Clean excess material and finish joints neatly

Curing

Self-curing – no external water curing required

Allow to set for 24 hours

Plastering can be done after 5 – 7 days

Packaging & Shelf Life

Available in 40 Kg bags

Shelf life: 6 months from date of manufacture when stored in dry conditions

Technical Specification

Parameter	Value
Water Demand	16% – 18%
Compressive Strength @ 28 days	6 – 7 MPa
Split Tensile Strength @ 28 days	
Fly Ash Block	0.2 – 0.25 MPa
Solid Block	0.3 – 0.35 MPa
Red Brick	0.25 – 0.3 MPa
Laterite Block	0.3 – 0.35 MPa

All values tested under standard lab conditions.

Coverage Table

Substrate		Coverage in SQFT / 40 kg Thickness 10 mm
Red Brick		15 – 16
Fly Ash Brick		15 – 16
	4 inch	41 – 42
Solid Brick	6 inch	27 – 28
	8 inch	20 – 21
Laterite blocks	6 inch	34 – 35

All values tested under standard lab conditions.

Precautions

Non-hazardous, but protective gloves, eyewear, and masks recommended

Avoid contact with eyes; rinse with clean water if needed

Technical Support

Toll Free: 1800 202 5700

Email: customercare@ramcocements.co.in
