

HPC GROUT

Technical Data Sheet



50 MPa
COMPRESSIVE STRENGTH



>2.5 MPa
BOND STRENGTH



NON-SHRINK
FORMULA

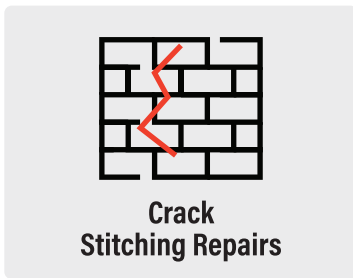


WATER
RESISTANT

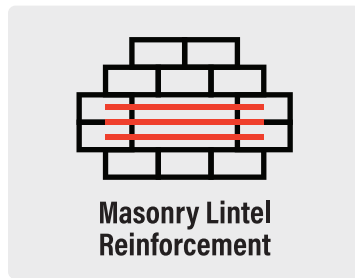
DESCRIPTION

FEROX HPC Grout is a high-performance cementitious grout designed for structural masonry reinforcement applications. It is a one-component, thixotropic, highly durable grout, requiring only water addition. The formulation ensures superior adhesion, workability, and strength, making it ideal for injection applications with hand applicators.

APPLICATIONS



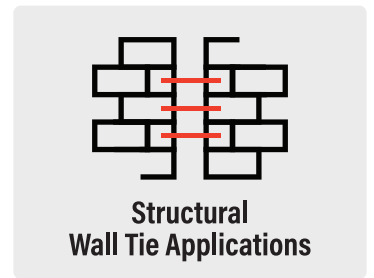
Crack
Stitching Repairs



Masonry Lintel
Reinforcement





Remedial Masonry
Reinforcement




Structural
Wall Tie Applications


FEATURES & BENEFITS


 **HIGH COMPRESSIVE STRENGTH**
Ensures long-term durability.

 **LOW SHRINKAGE**
Prevents cracking and loss of bond.

 **EXCELLENT ADHESION**
Bonds well to masonry and reinforcement bars.

 **WATER-RESISTANT**
Suitable for damp environments.

 **EASY TO MIX & APPLY**
Just add water for a smooth, thixotropic consistency.







 **DURABLE PERFORMANCE**
Engineered for structural reinforcement.

TECHNICAL PROPERTIES

Property	Value
Mixing Ratio	2.5 Kg Grout: 0.30 L Water 12%
Density (Wet)	0.6 g/cm ³
Workability Time	~30 minutes
Compressive Strength	~50MPa @ 28 days
Bond Strength	>2.5MPa
Flexural Strength	~10MPa
Initial Set Time	~90 minutes
Final Set Time	~3 hours

MIXING & APPLICATION



- 1

MEASURE WATER ACCURATELY
 Use 300ml of water per 2.5kg bag of grout.
- 2

PRE-MIXING STEP
 Pour %80 of the required water into a high-shear mixing vessel.
- 3

SLOW ADDITION
 Gradually add FOREX HPC Grout to avoid lump formation.
- 4

FINAL MIXING
 Add the last 20% of water & continue mixing for 3-4 minutes to get a uniform consistency.
- 5

INJECTION APPLICATION
 Ensure the hand applicator flange is flush with the barrel for optimal grout injection.
- 6

INTERRUPTION HANDLING
 If work is paused, re-agitate the mix before resuming application.

PACKAGING & STORAGE



PACKAGING
Sealed FEROX Containers



STORAGE
Shelf Life: 12 months (If stored in dry conditions).
Keep in a cool, dry place, away from moisture.

CLEANING & SAFETY PRECAUTIONS

- Clean tools immediately with water after use.
- Avoid direct skin contact - may cause irritation or burns.
- Use protective gloves, goggles, and a mask during usage.
- In case of eye contact, rinse immediately with clean water and seek medical attention.



Eye Protection



Dust Mask



Gloves



Protective Clothing



Safety Footwear

! Important: For best results, DO NOT hand-mix. Always use mechanical mixing.