

1. PRODUCT NAME

LATICRETE® 3642 Latex Concentrate

2. MANUFACTURER

LATICRETE International, Inc.

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Bethany CT 06524-3423 USA

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3. PRODUCT DESCRIPTION

LATICRETE 3642 Latex Concentrate is a concentrated latex admix which is diluted with water on site and then mixed with Portland cement and sand to make cement plasters, renders, coatings, mortar beds and screeds for concrete repairs. Portland Cement mortars which have been modified with LATICRETE 3642 Latex Concentrate have a greatly improved physical characteristics and can be used in exterior, interior, as well as underwater plasters, screeds and renders.

Uses

LATICRETE 3642 Latex Concentrate is diluted with clean water and then used as the gauging liquid with all Portland cement mortars, concrete, screeds, renders, stucco and plasters.

Advantages

- Greatly improved compressive strength
- Lower water absorption
- Improved adhesion
- More plastic mortars
- Resistant to thermal and seismic shock

Packaging

20 /pail (48 per pallet)

210 / drum (special order)

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).

4. TECHNICAL DATA

Typical properties of mortars made with LATICRETE 3642 Latex Concentrate diluted 1:4 with water and mixed with 1 part Portland cement: 3 parts sand

TEST METHOD	RESULTS
Compressive Strength ANSI A118.4-1999 F-.6	36 MPa (5200 psi)
Flexural Strength ANSI A118.6-1999 H-4.7	8.1 MPa (1179 psi)
Tensile Strength ANSI A118.6-1999 H-4.6	3.6 MPa (520 psi)

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation

Floors and Concrete Toppings

Concrete surfaces should be clean, sound, free from laitance, efflorescence, dust, curing compounds, and contamination. Surface of concrete should be saturated and surface dry (SSD). For mortar mixes on floors, see Chart 2.

Wall Surfaces

Wall surfaces should be clean, free of contamination. Dusty surfaces should be washed and excess water allowed to run off, leaving the surface damp. For mortar designs for renders and vertical applications, see Chart 1.

Mortar Designs

Wall	Thickness	Portland Cement	Sand* (1-3mm)	3642/ Water Ratio	3642 Usage liter/cm/ m ²
Scratch Coat	0-2mm	100kg	100kg	1:1	
Render	<15mm	50kg	125kg	1:3	0.6

Screed	Thickness	Portland Cement	Sand*	3642/ Water Ratio	3642 Usage liter/cm/ m ²
	10-30mm	50kg	150kg(1-3mm)	1:3	0.45
	<30mm	50kg	150kg(1-5mm)	1:4	0.36

*Clean, dry, sharp sand

Mixing

Pre-dilute latex with water. Mix to a semi dry consistency for mortar beds and screeds. Mix to a more plastic consistency for renders, stucco and plasters. Clean sand up to 3mm in size may be used in screeds over 50mm in thickness.

Application

Bonded Method for Floor Screeds

Before placing mortar, apply a bonding slurry. While the bonding slurry is wet spread the mortar and compact well. If placing tile immediately, apply bonding slurry of LATICRETE 4237 Latex Thin-Set Mortar Additive and LATICRETE 211 Crete Filler Powder to the mortar. While the bonding slurry is wet and sticky, place the tile and beat in well.

Non Bonded Method

Before placing mortar, place a 0.1 or 0.15 mm (4 or 6 mil) polyethylene cleavage membrane on the substrate. Place mortar to a depth of approximately 1/2 the finished bed thickness. Lay 50mm x 50mm 1.5mm (2"x2" 16) gauge galvanized welded reinforcing wire fabric over mortar. Place additional mortar over wire and compact mortar by tamping with a flat trowel. If placing tile immediately, apply a bonding slurry of LATICRETE 4237 Latex Thin-Set Mortar Additive and LATICRETE 211 Crete Filler Powder to the mortar. While the bonding slurry is wet and sticky, place the tile and beat in well.

Render

Plumb, square and true wall with applications of mortar. Level, fill and patch block with site mix mortar or LATICRETE 226 Thick Bed Mortar Mix gauged with pre-diluted LATICRETE 3642 Latex Concentrate. Renders made with site mix may slump if applied

in more than 6mm thickness. Renders made with LATICRETE 226 Thick Bed Mortar Mix can be applied in thicknesses as great as 25 mm without the mortar slumping.

Cold Weather Note: The setting of Portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period of time in cold weather. Do not install tile when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work in temperatures above 95°F (35°C).

Cleaning

Clean tools and tile work with water while mortar is fresh.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For distributor information, call:

Toll Free: (800) 243-4788

Telephone: (203) 393-0015

For on-line distributor information, visit LATICRETE at www.LATICRETE.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

LATICRETE 3642 Concentrate for Screeds and Renders is guaranteed by the manufacturer not to break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of installation.

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Toll Free: (800) 243-4788 ext. 235

Telephone: (203) 393-0015 ext. 235

FAX: (203) 393-1948

Technical and safety literature

To receive data via fax 24 hours 7 day, call:

- LATICRETE Fax on Demand at (800) 359-3297 (USA and Canada) or (203) 393-0015, ext. 360 (all other countries).
- To receive a Material Safety Data Sheet, enter Fax on Demand code **8064**.

10. FILING SYSTEM

DS 230.1: LATICRETE 4237 Latex Thin-Set Mortar Additive (Fax on Demand code 2301)

DS 239.0: LATICRETE 211 Crete Filler Powder (Fax on Demand code 2390)

DS 239.1: LATICRETE 226 Thick Bed Mortar Mix (Fax on Demand code 2391)



***Globally proven.
Professionally endorsed.***

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