



# LATAPOXY® SP-100 Stainless Grout for Floors N' Walls

Data Sheet 637.0

## 1. PRODUCT NAME

LATAPOXY® SP-100 Stainless Grout for Floors N' Walls

## 2. MANUFACTURER

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany CT 06524-3423 USA

Telephone: (203) 393-0010 ext. 235

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

Fax: (203) 393-1684

Fax on Demand: (800) 359-3297

Internet: www.laticrete.com

## 3. PRODUCT DESCRIPTION

LATAPOXY SP-100 Stainless Grout for Floors N' Walls is a stainless, colorfast epoxy grout specifically designed for use in floor and wall applications of ceramic tile, stone and structural glazed block. Ideal for residential kitchens, bathrooms, foyers, as well as cafeterias, institutional facilities, swimming pools, spas, restrooms and schools. Interior and exterior use.

### Uses - COMMERCIAL

- Institutional Kitchens
- Cafeterias
- Institutional Facilities
- Swimming Pools
- Restrooms
- Schools

### Advantages

- **Sag Resistant** - will not sag when used in wide joints up to 1/2" (12mm)
- **Easy to Apply** - smooth and creamy
- **Uniform Color** - resists blotching
- **Chemical Resistant** - 100% solids epoxy resists many acids, alkalis and corrosives
- **Durable** - will not peel, crack or powder
- **Easy Maintenance** - smooth texture, easier to clean than cementitious grout joints
- **Easy to Use** - no noxious odor, nonflammable, water cleanable, even with textured tile
- **High Temperatures Resistance** - withstands steam and industrial machine cleaning (up to 230°F/110°C)

### Packaging Components:

Complete unit consists of Resin and Hardener (Parts A & B), Filler Powder (Part C), cleaning pad, gloves, and instruction booklet. Available in 40 colors.

**#1/4 Unit Pail, 3 lbs. (1.4 kg)** – 4 pails per carton; 30 cartons per pallet

**#1 Unit Pail, 12 lbs. (5.4 kg)** – 80 pails per pallet

**#2 Unit Pail, 24 lbs (10.8 kg)** – 48 pails per pallet

**#1/4 #1, & #2 Units also available in Liquids Only Kits (Part A & B). Part C can be purchased separately.**

**#4 Unit Carton, 12 lbs. (5.5 kg)** – available in components only, 50 cartons per pallet

### 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).

### Limitations

- Suitable for exterior application in swimming pools. Light colors may darken slightly from direct UV exposure. Consult with LATICRETE Technical Services for specific exterior recommendations.
- For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use LATAPOXY® 2000 Industrial Epoxy Grout
- Maximum stain resistance is achieved 10 days after installation. Protect from exposure to acids and strong cleaners during this period
- Not recommended for soft, polished marble or delicate glazed tiles.
- Grout for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproof barrier is required, refer to data sheets on thin, load bearing Waterproof Membranes (see Section 10 Filing Systems)
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane (see Section 10 Filing Systems).

### Cautions

- During cold weather, protect finished work from traffic until fully cured.
- Until cured, LATAPOXY SP-100 Stainless Grout for Floors N' Walls may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Contains silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

## 4. TECHNICAL DATA

### Applicable Standard

ANSI A118.3 - 1999

### Physical Properties

| TEST                 | RESULTS                            |
|----------------------|------------------------------------|
| Water Cleanability   | Pass (>80 min)                     |
| Water Absorption     | <1/2%                              |
| Initial Setting Time | Pass (>2 hours)                    |
| Service Setting Time | Pass (<7 days)                     |
| Shrinkage            | Pass (0.10%)                       |
| Sag                  | Pass (no change)                   |
| Quarry Shear Bonds   | >1100 lbs/in <sup>2</sup> (7.6MPa) |
| Compressive Strength | 6000 lbs/in <sup>2</sup> (33.1MPa) |
| Tensile Strength     | 1700 lbs/in <sup>2</sup> (11.7MPa) |
| Thermal Shock        | >1200 lbs/in <sup>2</sup> (8.3MPa) |

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LDS6370/MTB/Rev.06/27/03

## Working Properties

|                                    |          |
|------------------------------------|----------|
| Workability (Pot Life) @ 72°F/22°C | 1 hour   |
| Foot Traffic                       | 24 hours |
| Heavy Traffic                      | 72 hours |

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.

## CHEMICAL RESISTANCE\* CHART

| Chemical Name              | Splash Exposure | Intermittent Exposure | Continuous Exposure |
|----------------------------|-----------------|-----------------------|---------------------|
| Milk                       | R               | R                     | R                   |
| Wine                       | R               | R                     | R                   |
| Ethanol                    | R               | R                     | NR (Soft)           |
| Potassium Permanganate 10% | R               | R                     | NR                  |
| Potassium Permanganate 1%  | R               | R                     | R                   |
| Tannic Acid to 50%         | R               | R                     | R                   |
| Tartaric Acid to 50%       | R               | R                     | R                   |
| Phosphoric Acid to 80%     | R               | R                     | R                   |
| Sulfuric Acid to 20%       | R               | R                     | R                   |
| Oxalic Acid to 10%         | R               | R                     | R                   |
| Lactic Acid to 5%          | R               | R                     | R                   |
| Acetic Acid to 5%          | R               | R                     | R                   |
| Sodium Hydroxide to 50%    | R               | R                     | R                   |
| Sodium Hydroxide Saturated | R               | R                     | R                   |
| Benzoic Acid 5%            | R               | R                     | R                   |
| Distilled Water            | R               | R                     | R                   |
| Mineral Water              | R               | R                     | R                   |
| Sea Water                  | R               | R                     | R                   |
| Fruit Juice                | R               | R                     | R                   |
| Methanol                   | R               | NR                    | NR                  |
| Mek                        | R               | NR                    | NR                  |
| Chloroform                 | R               | NR                    | NR                  |
| Methylene Chloride         | NR              | NR                    | NR                  |
| Toluene                    | R               | NR                    | NR                  |
| Xylene                     | R               | NR                    | NR                  |

\*Chemical Resistance depends on exposure levels:

**Splash** - minor spill wiped up quickly such as in a laboratory.

**Intermittent** - exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.

**Continuous** - heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.

**R=Recommended, NR=Not Recommended.** Chemical Resistance determined in accordance with ASTM C267-1982.

NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 90°F (32°C)

## 5. INSTALLATION

### Preparation

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. Substrate temperature must be between 60°F (16°C and 90°F (32°C).

**Mixing** - Empty entire contents of LATAPOXY SP-100 Stainless Grout for Floors N' Walls Part "A" and Part "B" jars into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Use all of LATAPOXY SP-100 Stainless Grout for Floors N' Walls Part "C" Filler Powder and mix to a uniform consistency (High temperatures may require more powder). Mix as stiff as possible to work into the joints. For easier workability or narrow joints, use 10% less powder.

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**Application** - Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a dropcloth. Use standard epoxy grouting techniques to work SP-100 Vertical Grade into grout joints. LATAPOXY SP-100 Stainless Grout for Floors N' Walls can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

**Cleaning** - Initial Cleaning: Apply water to surface during cleanup with spray bottle or pressurized sprayer. Clean with nylon scrub pad and clean, cool water. Dress joints and final rinse with sponge. Final Cleaning: Clean surface after 6-8 hours but within 24 hours of initial cleaning with neutral detergent, rinse with clean water.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE and LATAPOXY® materials are available worldwide. For distributor information:

Toll Free: (800) 243-4788

Telephone: (203) 393-0015

[www.LATICRETE.com](http://www.LATICRETE.com).

**Cost** - Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

LATICRETE International, Inc. warrants that LATICRETE SP-100 Stainless Grout For Floors N' Walls is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions stated in Data Sheet 230.13 LATICRETE Product Warranty (see 10. FILING SYSTEM). In addition, when used as a component of a LATICRETE System Installation, LATICRETE SP-100 Stainless Grout For Floors N' Walls is warranted for a period of ten (10) years from the date of purchase subject to the terms and conditions stated in Data Sheet 230.12 LATICRETE System Warranty (see 10. FILING SYSTEM)

## 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 days, call:

- (800) 359-3297 or (203) 393-0015, ext. 360.

- To receive a Material Safety Data Sheet, enter Fax on Demand code **8070**.

## 10. FILING SYSTEM

Additional product information available upon request:

- DS 236.0: LATICRETE 9235 Waterproofing Membrane  
(Fax on Demand code 2360)
- DS 631.5: "How To Install" LATAPOXY Adhesives and grouts  
(Fax on Demand code 6315)
- DS 634.0: LATAPOXY 2000 Industrial Epoxy Grout  
(Fax on Demand code 6340)
- DS 230.13 LATICRETE Product Warranty  
(Fax on Demand code 3013)
- DS 230.12: LATICRETE System Warranty  
(Fax on Demand code 3012)



*Globally proven.  
Professionally endorsed.*

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LDS6370/MTB/Rev.06/27/03