



PRICE RESEARCH, LTD.
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PRODUCT DATA

PRICE STONE FORTIFIER #33 (Masonry Consolidation, Stabilizing, Fortifying, Strengthening)

PRODUCT NAME: PRICE STONE FORTIFIER #33
 (Masonry Consolidation, Stabilizing, Fortifying, Strengthening)

MANUFACTURER: PRICE RESEARCH, LTD.
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 Kansas City, MO, U.S.A. 64129 • Phone: (816) 924-5955

PRODUCT DESCRIPTION:

PRICE STONE FORTIFIER #33 is a ready to use masonry consolidation, stabilizing, fortifying and strengthening treatment system specially developed for crumbling and deteriorating masonry.

PRICE STONE FORTIFIER #33 is based on micro-molecular silicic ethyl esters technology. Treatment deposits silicone dioxide, cementing new matrix in deteriorating masonry.

PRICE STONE FORTIFIER #33 is specially formulated to treat badly deteriorated stone that requires fortifying and protects against water. It is a combination consolidation/water repellent system.

RECOMMENDED FOR:

- Brick Masonry • Tile • Pavers • Concrete Masonry • Terra Cotta • Marble (unpolished only) • Granite (unpolished only) • Sandstone (unpolished only) • Slate (unpolished only) • Limestone (unpolished only)
- Travertine (unpolished only).

ADVANTAGES:

- One component. • Micro molecular chemistry provides low viscosity for deep penetration. • Fortifier is similar to original stone in chemistry. • Fast drying. • Provides breathable fortified, strengthened consolidated treated surface. • Fortifier protects against acid rain.
- **Does not contain methyl ethyl keton (MEK) • Does not contain flammable solvent.**

LIMITATIONS:

1. May not be suitable for gypsum plaster, synthetic resin, paints, concrete blocks, certain marble masonry.
2. Not recommended for polished stones.
3. Not recommended for concrete blocks.

TECHNICAL DATA:

Active ingredient	Silicic ethyl ester
Total solids	75%
Flash point	105°F (close cup)
Specific gravity	0.94
Wt./gal.	7.83
Color	Water clear

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FORTIFIED SURFACE CHARACTERISTICS (resistance to):

Acid	Excellent
Alkali	Excellent
Hydrocarbon	Excellent
Airborne pollutant	Excellent
Ultraviolet resistance	Excellent

APPLICATION:

PRECAUTIONS:

Protect all adjacent non-masonry surfaces. Protect metal, glass, grass, foliage, painted surface, etc.. Avoid wind drift which may injure people and properties.

For occupied building, cover air intakes and vents, etc.. Use self contained Niosh approved mask in close areas.

PRETESTING:

1. Send representative “core” sample to our lab to determine the application rate, application procedure and other recommendations.
2. On site testing: After the lab testing, on site testing is recommended to arrive at actual procedure and suitability of the job conditions and actual consumption of the material.

SURFACE PREPARATION:

After the lab and on site testing use appropriate Price Research products to clean the building. Surface should be clean, dry and free of contaminant for proper penetration of PRICE STONE FORTIFIER #33.

Surface and air temperatures should be between 50°F to 90°F during application. Avoid application in direct sun. Do not apply during rain or to wet surface. Protect for 48 hours from rain after application.

USE:

1. Deep penetration of treatment is very important.
2. Use low pressure spray, brush or dipping. For large area use low spray equipment and for small areas use spray tanks.
3. Movable structures are treated by dipping indoors.
4. For deep penetration use “cycle” system of application. (A cycle consists of three successive saturations applications at 5 to 15 minute intervals.)
5. Typical treatment involves 2 to 3 cycles. (Total of 6 to 9 applications.) Additional material should be applied until excess material remains visible for approximately 60 minutes after application.
6. If second treatment is determined from prior lab test, allow two weeks before the second treatment.

COVERAGE:

Varying porosity, texture and conditions of masonry surface will dictate the coverage. Prior lab tests and field tests will give estimated coverage. However, for estimation purpose us 30 to 60 sq.ft. per gallon for concrete and fired clay products. Use 50 to 80 sq.ft. per gallon for unpolished stone, limestone, marble, granite and sandstone.

NOTE:

Stone repair, regrouting, waterproofing, etc. may be carried out after the final cure.

CLEAN UP:

Use mineral spirit and/or lacquer thinner for equipment clean up.

LIMITED WARRANTY:

Price Research, Ltd. has no control over the storage, handling or use of it’s products thus the guarantee is limited to the purchase price of the defective material only.

TECHNICAL SERVICE:

Call Price Research, Ltd. at (816) 924-5955 and as for Technical Service.