

Madewell® 1312P

Thixotropic Epoxy Surfacer and Void Filler



FEATURES/BENEFITS

SMOOTHS IRREGULAR SURFACES	MOISTURE TOLERANT
LOW SHRINKAGE	APPLIES BY TROWEL OR SQUEEGEE
EXCELLENT ADHESION	FAST SETTING

PRODUCT DESCRIPTION

MADEWELL® 1312P is a 100% solids thixotropic epoxy putty for use in filling irregular surfaces such as voids and bugholes in concrete prior to the application of protective or reinforcing topcoats. This two component product can be applied by trowel or squeegee. The absence of solvents reduces shrinkage, cracking and disbonding and eliminates problems related to solvent entrapment.

PRODUCT DATA

COMPOSITION:

100% Solids, modified epoxy putty

AVAILABLE COLORS:

Medium Gray

THICKNESS:

Depends on surface roughness. Although this product can be used to form a protective film, its primary purpose is to fill voids and pits in steel and concrete. When applied by trowel, it is normal to "strike off" all excess material so that the only product remaining is that which remains in voids, pits, "bug-holes," etc.

COVERAGE:

Theoretical coverage is 1,604 mil square feet per gallon. Actual coverage depends on the condition of the surface being covered. Allowances should be made for waste.

PACKAGING:

Normally stocked in two component kits (approximately 4.5 gallons per kit). Larger and smaller kit sizes available on special order.

SURFACE PREPARATION:

Steel: Apply only to clean, sound surfaces. All metal surfaces should be degreased or otherwise decontaminated prior to abrasive blast cleaning. Surfaces should be abrasive blast cleaned

to a near white (NACE No. 2 or SSPC SP10) condition with a 2 to 4 mil anchor pattern depth.

Concrete and Other Cementitious Surfaces: Concrete surfaces to be coated shall be free of laitance, grease, oil, and all other foreign materials. If required, the surfaces may be cleaned by sandblasting or other suitable mechanical means. Etching with muriatic acid may also be used to clean the surface, provided, however, that it is thoroughly broomed and flushed with a spray of fresh water to remove all salts. Surfaces should be free of standing or flowing water when **MADEWELL 1312P** is applied. If surfaces are extremely porous, weak or deteriorated, **MADEWELL 927** Primer should be used to penetrate, seal and strengthen the surface prior to coating. See descriptive brochure.

Rough or deteriorated concrete should be smoothed and/or repaired using either **MAINSTAY ML-72** Sprayable Microsilica Mortar or **MADEWELL 1312P** Thixotropic Epoxy Putty. Refer to the applicable descriptive brochure for surface preparation and application instructions.

MIXING RATIO:

Mix components at a volume ratio of 2 parts A to 1 part B. This is a multicomponent system. All components (liquids A and B) should be between 70° F and 90° F prior to mixing. The entire contents of both containers should be thoroughly mixed individually and then blended together by hand or with a power agitator for 5 minutes. Do not mix more material than can be used within stated working times.

POT LIFE:

Approximately 45 minutes at 100° F. Pot life will be extended at lower temperatures and shortened when higher.

THINNING:

Thinning is not recommended for topcoats. Use **MADEWELL 457** Thinner for equipment cleanup (see descriptive brochure).

PRIMING:

Consult a Madewell technical representative for procedures particular to your application. Concrete surfaces may be primed with **MADEWELL 927** Penetrating Epoxy Primer/Sealer – see descriptive brochure for application and surface preparation details.

APPLICATION:

Application can be performed by trowel, squeegee, or glove (consult a Made-

well technical representative for specific equipment recommendations and sources). Concrete surfaces should be coated while they are cooling down to avoid blisters caused by expanding gas within pores and/or air pockets within the concrete. It can sometimes be difficult to effectively fill voids in concrete due to entrapped air which tends to push the **MADEWELL 1312P** back out. Blasting the concrete to completely open all voids and bugholes helps avoid this problem, however, several passes may be necessary to completely seal off all holes. Coating should be troweled, or otherwise applied, as smoothly as possible to avoid problems with topcoating after cure. When applying reinforced epoxy coatings such as **MADEWELL 1312E** over the top of **MADEWELL 1312P**, the glass reinforcement may be put in place while the **MADEWELL 1312P** is still in its uncured state.

CURE TIME:

MADEWELL 1312P will cure to handle overnight at 75° F.

CLEAN UP:

MADEWELL 457 Thinner is recommended to clean equipment (see descriptive brochure). Skin should be cleaned using warm soapy water or commercial hand cleaner.

STORAGE:

Store components in sealed containers in dry environment at moderate temperature conditions (< 80° F).

SHELF LIFE:

1 year, subject to reinspection thereafter.

SAFETY:

MADEWELL 1312P contains epoxy resins that *MAY CAUSE EYE OR SKIN SENSITIZATION*. Adequate health and safety precautions should be observed during all storage, handling, use and drying periods. For best results and safest usage, user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements. Do not take internally.

If swallowed, call a physician immediately. Keep away from open flame and keep containers tightly closed when not in use.

WARRANTY

All technical data, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and knowledge, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by the Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate or intended to suggest infringement of any existing patent. **MADEWELL PRODUCTS CORPORATION MAKES NO GUARANTEE OR WARRANTIES EXCEPT AS OTHERWISE PROVIDED IN WRITING, AND DISCLAIMS ANY AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**