

Ancillary Products for use on GrailCoat jobs

Below you will find a listing of products that can be of use on your GrailCoat job. Items are listed below in alphabetical order.

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Caulk

- **Sonolastic NP-1 by BASF** is a polyurethane caulk and is the best caulk for use with GrailCoat products. It is very long-lasting and can be applied even where the substrate is wet. Since it is intended for use by professionals it is generally only sold at professional supply houses. It is paintable and comes in a wide variety of colors. Note: It can take several days to cure.

For general caulking use a siliconized acrylic caulk. An example of such a caulk is listed below, but there are many others on the market that will work well also.

- **G.E. Max3500 Siliconized Acrylic Window & Door Caulk (GE24331)** (45 year guarantee)



For situations where the substrate is wet, use a “moisture-curing” caulk such as Sonolastic NP 1 by BASF

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Concrete Cleaners

Concrete (and all other surfaces) must be clean and free from dirt, and grease, etc. before applying GrailCoat.

- **Krud Kutter – Original** – Available at Home Depot, Ace Hardware, Wal-Mart and more.
- **Zep Driveway, Concrete & Masonry Cleaner Concentrate** – Available at Lowe's or Home Depot

Concrete and Brick Filling, Patching and Sloping Materials

If there are chips, gouges, cracks, joints, or other imperfections in a concrete substrate greater than ¼ inch, the imperfections should be filled with a concrete patching material before the GrailCoat is applied. For example, joint lines in a concrete block or brick wall must first be filled before the GrailCoat is applied. If this is not done, the joint lines will show through the finished product. Patching of this sort should be done with concrete that is self-bonding. Consult the patching instructions on the product you are using and/or a DIY web site. Some suggested products are:

- **Quikrete Vinyl Concrete Patcher**, a self-bonding cement mix made specifically for repairing broken, chipped or loose concrete and masonry, as well as filling medium to large cracks. The cracks shouldn't be deeper than 2 inches. The material is available in tubs or a 40-pound bag. It will adhere to all properly cleaned surfaces and can be troweled to a feather edge of 1/16 inch. All you need to do is add water.
- **Mapecem 100** is a cost-efficient cementitious mortar that is ideal for a multitude of applications, including re-sloping floors; leveling low areas of floors; filling trenches, voids and honeycombs; and treating concrete defects. Fast-setting Mapecem 100 is formulated with Mapei's High-Hydrated Cement Technology (HCT), allowing traffic within 3 to 4 hours of application.
- **Quickpatch**, a fast-setting material used for patching interior/exterior surfaces. The material is designed to be used for both interior and exterior horizontal surfaces to quickly and easily restore damaged concrete. It will patch up to 3 inches deep and is easy to feather out.

Efflorescence Remover

We recommend **Sure Klean**. It usually is purchased anywhere you can buy brick or block although it may be to be a special order.

Flashing Tape

For use around windows, doors, skylights, and some roofing applications. Flashing tape should not replace metal flashing on decks.

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Name of Product	Notes	Uses	Where to purchase
Protecto Wrap – Stucco Tape	Polyester surface for great bonding; 4”, 6” and 12” widths (may require Universal Water-Based Primer)	Seams, Skylights, Windows. Doors, and transitions	www.protectowrap.com
Tite Seal – Roof Deck Seam Tape by Cofair Products	Thick, fiber surface; 4” and 6” widths (Affordable) (may require Universal Water-Based Primer)	Roofs, skylights, windows, doors	Home Depot and http://www.cofair.com/sheathingtape.aspx
“Quick Roof” by Cofair Products	Thick, aluminum surface; 3”, 6” and 18” widths (Expensive) (may require Universal Water-Based Primer)	Roofs, skylights, windows, doors	Home Depot and http://www.cofair.com/sheathingtape.aspx
Zip System Tape	Thin, black surface; 3.75” and 6” widths (may require Universal Water-Based Primer)	Roofs, skylights, windows, doors	http://www.zipsystem.com/zip-system/tape.aspx

Avoid These Flashing Tapes because they are too slick for a good bond with GrailCoat

Name	Manufacturer	Appearance
Window Wrap PSX 20	MFM Building Products Corp.	Shiny silver backing
3M Flashing tape 8067	3M	Semi clear – lettering pulls off
Select Flashing Tape 820 (527-20)	Nashua	Black – Polyolefin film surface

Gap Fillers

We recommend “**Bondo**” or “**Fix-It-All**” to fill gaps and smooth out irregularities in wood substrates. Sand down high spots and fill gaps greater than 1/8th inch. Both these products can be sanded, cut and drilled and can be found at many hardware stores.

Hopper Gun

The hopper gun is frequently used to spray on the GrailCoat for the final texture coat. The hopper gun is a hand-held unit with a hopper on top in which to put the GrailCoat, and then a gun / nozzle from which the material is shot onto the wall, deck, or ceiling. Most hopper guns are designed to shoot onto walls. In order to easily shoot onto decks or ceilings, an attachment is needed to direct the



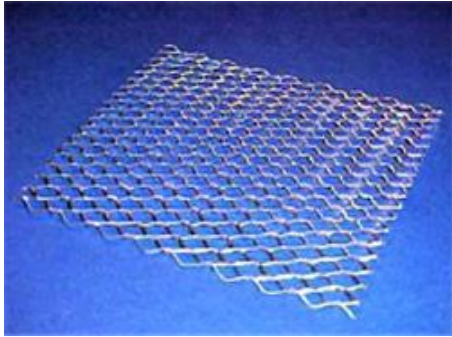
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flow of material down or up as the case may be. (Must be connected to an air compressor).

- A YouTube video showing the use of a hopper gun can be seen here: <http://www.youtube.com/watch?v=6jxF9WsXWk8>

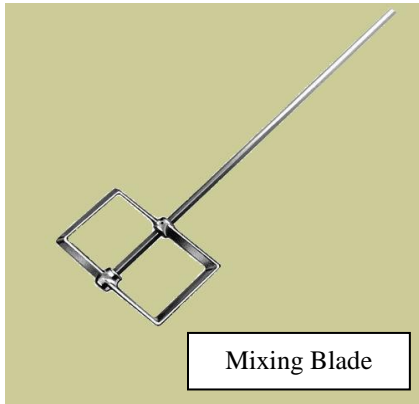
Metal Lath (expanded metal lath or diamond lath)

Purchased from any home improvement or building material supply store. This can be used in place of our heavy-duty fiberglass 20oz Deck Mesh when using GrailCoat as a decking product over a wood substrate although we recommend Deck Mesh instead. The lath should be laid to cover the entire deck, including over the metal flashing. The lath should bridge the wood seams and abut itself (not overlap).



The expanded metal lath is available in 1.75, 2.5, and 3.4 pounds per square yard. We recommend the 2.5 pound per square yard size.

Mixing Blade



The proper mixing blade is important to mix the GrailCoat properly. A paint mixing blade does not develop enough shear. Use what is known as a square “drywall mixer.”

This blade is inserted into the end of a mixer or heavy-duty 7.0 amp drill with a ½ inch chuck.

Mixers and Pumps

To save on labor costs we recommend the use of a contractor-grade combination mixer and pump such as those sold by Spray Force. <http://www.sprayforce.com/desertlynx.htm> . Equipment such as this can mix the GrailCoat, and pump it through a hose to the surface to be covered.

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Rust Convertors

Before coating a rusted surface with GrailCoat, loose metal must be scraped off and then a rust convertor must be properly applied. Rust convertor can be applied to just about any rusted iron or steel surface. It converts rust into a protective black layer that seals out moisture and protects against future corrosion.

- “Ospho”, at ACE Hardware, True Value and others, see www.ospho.com
- Rust Convertor <http://www.theruststore.com/Rust-Converter-Gallon-P40C10.aspx>
- Eastwood Rust Convertor: http://www.eastwood.com/eastwood-rust-convertor.html?srccode=gal10070&gclid=CI3Ujbj8vaECFRcXswod1FFb_A

Paint

GrailCoat does not require paint to protect it, or the substrate below. Paint is also not required to attain a certain color because tint can be added to the GrailCoat polymer at the time of application. However, GrailCoat will accept paint very well, and we recommend painting trim rather than trying to tint the GrailCoat for the trim sections of a building because tinting trim will add more time to the application process.

When painting, choose a high-quality water-based Exterior grade latex paint such as Sherwin-Williams® Duration® or Resilience™.

Suggestion: Use tinted GrailCoat polymer (without mixing with the aggregate powder) instead of paint. Coverage is 1200 square feet per five gallon bucket. Call your representative for current pricing.

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Note: Avoid using and elastomeric paint because elastomeric paints generally don't "breathe" and can trap moisture inside the building.

Rasps



Rasps are used to rough up EPS foam used on ICF, EIFS, decorative trim and other situations to remove oxidation and to ensure a good bond with GrailCoat. These can be purchased at home supply stores and on line from:

Demand Products Inc.,

https://www.1300.oemgrp.com/demand/tiger_claw.html

and, from

Wind-lock <http://www.wind-lock.com/cat-33-1->

[11/Rasps and Accessories.htm](http://www.1300.oemgrp.com/demand/tiger_claw.html)



SHOP-VAC VACUUM BACK PACK

The Shop-Vac lightweight Back Pack Vac is designed to vacuum foam debris as you rasp ICF foam blocks or EIFS foam panels. Purchase from: DemandProducts.com

<http://www.demandproducts.com/Spray-Foam-items/item.php?=&sku=GROUPBPVAC>

Stencils, Patterns and Tapes

GrailCoat can have patterns in the design. This is most popular over concrete decks. To achieve a pattern such as stone or brick a stencil or **filament tape** can be used. Filament tape can be purchased on line or in hardware stores. It is very strong, usually with a polypropylene or polyester film and fiberglass filaments embedded to add high tensile strength.

Stencils can be purchased on line from many sources including "dci" <https://www.decrete.com/>.

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Red Stucco Tape Long Mask Red Stucco Tape is the Contractors Choice for EIFS and stucco trim tapes. It is a 7 mil polyethylene film EIFS tape, coated with an aggressive adhesive with excellent weather UV. Long Mask Red (LMR2) Stucco Tape is resistant aging characteristics. Ideal for indoor or outdoor use as a surface protection and masking tape. Removes easily from surfaces as varied as masonry, wood, vinyl, painted metal and glass even after prolonged periods. Can be purchased from professional building supply stores, or online from Demand Products.com <http://www.demandproducts.com/Spray-Foam-items/item.php?=&sku=GROUPLMR2>

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Substrates

GrailCoat bonds very well to most construction substrates. Be sure to follow the **GrailCoat** Application Instructions for proper preparation of each substrate type. The substrates listed below have been found to form a good bond with **GrailCoat** when properly prepared. This list is by no means complete.

GrailCoat does not bond well to plastic sheeting (polyethylene), or with similar plastic products with a slick surface. **GrailCoat** will bond to PVC, but only if the surface is roughed up (with sandpaper or similar product) prior to application.

GrailCoat Tested Substrates

Asphalt Asphalt driveways and walkways; granular roofing material

Brick Brick (all types)

Concrete Concrete Block, Concrete slabs, Lightweight concrete

DensGlass® premium gypsum sheathing

Flashing Tape Certain types (see list)

Foam EPS – Expanded Polystyrene, ICF block, Closed cell (rasp first)

GrailCoat GrailCoat bonds well to itself even years after initial application

Metal Aluminum, Steel, Copper, Galvanized metal, and others

Plastic Recycled plastic and others, not polyethylene

Tile Ceramic Tile and others – (some slick tile may require etching)

Wood Plywood, OSB, Pressure Treated and others

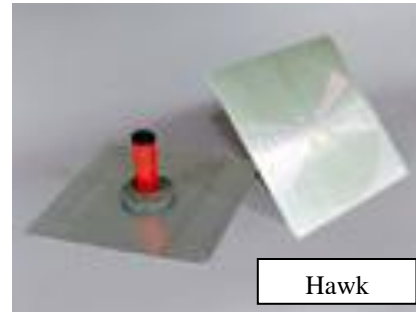
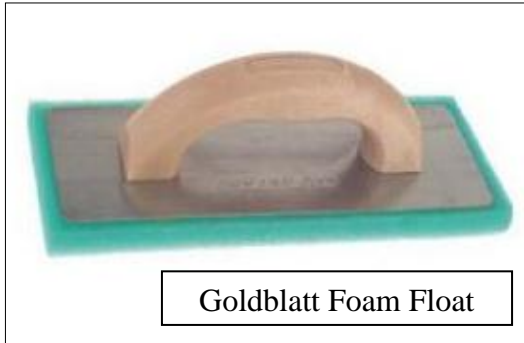
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Trowels and other standard Stucco Tools

Below you will find photos of trowels and other traditional stucco tools that will be useful to you in your application of GrailCoat. These tools may be purchased on line, or from most building supply stores. Tools by Abrik and Wind-lock are very good.



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Sources for Towels and tools:

Demand Products: www.demandproducts.com

Wind-lock: www.wind-lock.com

Ron's Home and Hardware: <http://www.ronshomeandhardware.com/>

Wood Sheathing (as a substrate)

The brand **AdvanTech®** performs well because of its resistance to moisture. Although GrailCoat will protect wood once properly applied, there is frequently a lag during construction between the time the sheathing is applied and when the GrailCoat is applied. During this time the wood is unprotected and subject to weather which can cause warping, or flaking. AdvanTech is less likely to have those issues.

<http://www.advantechperforms.com/>

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