



CompleteStreetsUSA

safe.smart.solutions

866.367.3232 | info@CompleteStreetsUSA.com

GeoBondX Application Guide

The aim of this guide is to provide the operative with step by step instructions for the installation of a GeoBondX system, and how to achieve the best results on each and every job.

Before attempting to lay GeoBondX please read this guide in full. Ensure that both the Product Information and Safety Data Sheets have been read and understood.

Prior to using GeoBondX on a live job, we also recommend that an area is tested with a full pack of material under similar circumstances to those expected on the working site. This exercise will enable the installer to get a feel for working with GeoBondX and the necessary planning of an efficient workflow, to produce an ideal surface.

The GeoBondX Application Video Guide provides comprehensive advice on how to install a GeoBondX surface and is available at www.CompleteStreetsUSA.com.

1. Materials

Read both the Product Information and Safety Data Sheets prior to carrying out a GeoBondX installation.

Make sure enough materials are purchased to allow for the entire surface to be treated and that all necessary tools are to hand.

GeoBondX is available in Standard and UVR variants. **GeoBondX UV Resistant** is resistant to discoloration after exposure to light. **GeoBondX Standard** will yellow slightly over time and is suitable for use with buff, yellow, red and brown aggregates. GeoBondX UVR requires the addition of Catalyst VA5 - see the separate data sheet for dosage levels.



GeoBondX Standard Components



GeoBondX UVR Components



Aggregate



Tools for the job

2. Surface

Ensure that the substrate is sound, clean, contamination free and able to withstand the loads expected from normal use.

Remove oil, de-icing salt, grease and similar contamination by washing with a suitable degreasing agent, followed by flushing with water. Dry after washing.

On very absorbent or dusty concrete use Primer C to prime the surface, as dust will affect the adhesion of GeoBondX

Mask ironwork or curb edges with suitable tape to protect those areas where resin is not required.

Any edges that are not abutted should be restrained by an end-stop bead of the correct depth.



Brushing the surface and removing contamination



Drying with a hot air lance



Use Primer C on absorbent surfaces



Masking-off with peelable tape & end-stop beading

3. Mixing

Ensure that materials have been stored at room temperature in order to assist mixing and spreading. Begin to mix base component thoroughly using a drill and paddle on a suitably protected surface. If using GeoBondX UVR resin, dose resin with catalyst into base component whilst mixing.

While mixing, pour the total content of activator slowly into the base component and continue mixing thoroughly. Stir thoroughly for 2-3 minutes until the mix is homogenous, ensuring material from the sides and base of the pail are thoroughly mixed.



Base component before mixing



Mixing the base component with a paddle



Add the activator slowly whilst mixing



Mix thoroughly for 2-3 minutes

4. Combining resin and aggregate

GeoBondX mixing is performed with a suitable, forced-circulation (mortar) mixer.

Charge the mixer with 220 lbs of aggregate and dry blend for 30 seconds to mix any combined aggregate types or segregated material.

Start the aggregate mixer and immediately pour in the mixed GeoBondX resin. Blend until homogenous. Discharge the mix into a wheelbarrow lined with polyethylene sheet and tip onto the application area.



Charge the mixer with aggregate



Pour the mixed resin into the mixer



Blend for 30 seconds



Pour mix into polythene lined wheelbarrow

5. Trowel applying

Pre-level the material using a flat-bladed squeegee. Alternatively rule level between battens of the correct thickness or installed end-stop beading.

Compress, level and consolidate the GeoBondX surfacing using a double-ended bullnose trowel.

Final finishing is achieved by wiping the surface of the trowel clean with a cloth or brush damped with mineral spirits. With a small amount of mineral spirits remaining on the trowel to assist lubrication, gently but firmly smoothing any irregularities.



Pre-level using a rake or a flat-bladed squeegee



Work to battens or end-stop beading where required



Compress, level and consolidate with a bullnose trowel



Wipe the trowel with mineral spirits

6. Finishing

Hardening of GeoBondX is progressive and is dependent upon the type used and the temperature. GeoBondX UVR requires the addition of Catalyst VA5, where as when using GeoBondX Std a faster cure speed is optional and can be achieved, through the use of the catalyst pack.

Where it is desirable to introduce design elements such as borders and inserts using differing colored aggregates within the surfacing, wooden battens faced off with polyethylene tape or packing tape should be temporarily fixed to the substrate.

Existing joints within concrete slabs should be maintained within the GeoBondX surfacing.

Tools and equipment should be cleaned immediately after use using mineral spirits.



Left to cure



Design elements



Concrete slab joints



Equipment cleaned with solvent

The End Result

GeoBondX has a wide range of textures and shades of natural aggregates available, giving the specifier the ability to introduce design elements into landscaping, refurbishment and new build projects. To learn more about the full benefits of GeoBondX call us, or visit www.CompleteStreetsUSA.com



CompleteStreetsUSA

safe.smart.solutions

866.367.3232 | info@CompleteStreetsUSA.com