

TERRABOUND

RESIN BOUND PAVING

DESCRIPTION:

Terrabound is a cold applied clear resin bound aggregate or recycled glass paving system which is both flexible and resistant to cracking. The mixture is available in a wide range of colors allowing imaginative designs to be incorporated within the paved surface.

SURFACE PREPERATION:

Terrabound can be applied to asphalt and concrete surfaces. The existing surface must be free of all foreign materials and void of any chemical or petroleum contamination. Details of suggested base build ups are available on request. Existing surface must be of sound construction. A suitable steel, wood, brick, stone or aluminum edging material should be utilized to provide a supported and neat edge.

Terrabound resin bound aggregate surfacing is designed to provide the final decorative wearing surface and as such it requires the base to carry the anticipated loads. It is recommended that a certified professional engineer design and develop the proper base structure requirements to support the expected loads which takes into account the project specific climate and conditions.

APPLICATION TEMPERATURE:

Recommended temperature of application should be between 40°F and 85°F (5°C and 30°C)

AGGREGATE:

Terrabound aggregates consist of differing combination of course and fine aggregates, which meet a specific mix design which is dependant on the application. Mix designs take into account the final color desired and anticipated traffic / pedestrian usage. Aggregates are double washed, dried, and bagged by weight to the specific weight required to meet the mix design for the specific project. Instructions will accompany each material shipment with specific mixing and laying instructions and the number of bags of each aggregate and quantity of resin to place into mechanical mixer.

MIXING:

Pre-weighed Terrabound resin should be thoroughly mixed with a slow speed pan mixer for a minimum of 45 seconds. The pre weighed bags of aggregate should be placed in the suitable mechanical mixer and dry mixed for 5 seconds prior to the addition of the Terrabound resin. The mixed Terrabound resin should then be immediately added to the pre-mixed aggregate in a suitable mechanical mixer. Mix for 1 minute then discharge into a suitable wheelbarrow and move immediately to the point of application.

MIXING EQUIPMENT:

Mixing equipment shall be a mortar mixer of ample size to place pre-measured aggregates and resin. Mixer shall have ample power to thoroughly blend aggregates and resin into homogenous mixture within 1 minute.

Color:

Terrabound resin is a clear/straw colored liquid.

SHELF LIFE OF RESIN:

If material is stored at 50°F (10°C) the shelf life is approximately 3 months.
If material is stored in warm conditions the shelf life could be as little as 3 days.

PLACEMENT:

The mixture should be spread evenly across the prepared surface at the required depth using a lute. The surface should then be hand toweled using sufficient downward pressure to compact and provide for a smooth finish.

REQUIRED DEPTH:

1/8"	(3mm) grade TERRABOUND	-----5/8"	(16mm) depth
1/4"	(6mm) grade TERRABOUND	-----3/4"	(19mm) depth
3/8"	(10mm) grade TERRABOUND	-----1"	(25mm) depth

SET TIME:

50°F	(10°C)	---Pedestrians 5 hours	---Vehicles 12 hours
68°F	(20°C)	---Pedestrians 4 hours	---Vehicles 10 hours
86°F	(30°C)	---Pedestrians 3 hours	---Vehicles 6-8 hours

HOW TO SPECIFY

Chameleon Ways TERRABOUND

In order to ensure that you get exactly what material you want for each project, the following may be of assistance.

To specify the process:

Terrabound resin bound surface course consisting of aggregate particles, fully coated with two-part chemically curing, uv stable, flexible, crystal clear resin, hand finished by trowel as supplied by : Chameleon Ways, Inc., PO Box 387, Center Valley, PA 18034
Tel 877-426-5687 Fax 610-797-4654 email info@chameleonways.com
Installation completed by a Certified Chameleon Ways, Inc Applicator.

To specify the color and texture:

Identify and name the Terrabound nominal mixture size, Terrabound mixture name and the application depth.

FOR EXAMPLE

Nominal Mixture Size: *6mm*
Mixture Name: *Rhine Gold*
Layer thickness: *¾ inch*

This information is available at www.chamelonways.com or by contacting Chameleon Ways technical sales at 877-426-5687.

To avoid inferior alternatives (when an option is required):

If you cannot specify Terrabound alone, state “as supplied by Chameleon Ways and installed by a Certified Chameleon Ways Applicator or equivalent product with minimum guarantee period (including NO loose stone) for 3 years. Should a proposed equivalent product request consideration for approval, a sample and complete technical data of proposed equivalent must be submitted to the engineer no later than 1 week prior to bid date. Consideration for approval of a proposed equivalent will **NOT** be considered if it is not properly submitted 1 week prior to bid date.”

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