

ADDABOUND

RESIN BOUND PAVING

DESCRIPTION:

ADDABOUND is a cold applied clear resin bound aggregate or recycled material 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:

ADDABOUND 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.

Addabound 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:

ADDABOUND aggregates consist of differing combinations of course and fine aggregates and recycled materials, 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 ADDABOUND 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 ADDABOUND resin. The mixed ADDABOUND 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:

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

ADDABOUND

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:

ADDABOUND 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.

Installation completed by a Certified Chameleon Ways, Inc Applicator.

To specify the color and texture:

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

FOR EXAMPLE

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

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

If you cannot specify ADDABOUND 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.”

