

ADDAPAVE TP Porous Paving System

DESCRIPTION:

ADDAPAVE TP is a cold applied, porous paving system designed to bind a selection of decorative aggregates or recycled materials which provides a bonded, attractive and porous surface for tree pit surrounds, sidewalks, walking paths, etc.

ADDAPAVE TP resin bound porous surfacing consists of ADDAPAVE TP aggregate, fully coated with two-part chemically curing, UV stable, flexible, crystal clear resin, hand finished by trowel.

ADDAPAVE TP MATERIAL SUPPLIER AND INSTALLER:

ADDAPAVE TP materials must be certified as supplied by Chameleon Ways, Inc.
PO Box 387, Center Valley, PA 18034 Phone: 877-426-5687 Fax: 610-797-4654
Installation is to be carried out by an Authorized Chameleon Ways, Inc. Applicator.
Authorized applicator certificate must be provided to owner upon request.

SURFACE PREPERATION:

Areas to be filled with the ADDAPAVE TP system should be clean and dry with a minimum infill depth available of 4 inches but preferably 6 inches, dependant on application.

For existing trees, excavate the area to receive the system and lightly compact.

For new tree installations, it is recommended that structural soil be used to prevent the possibility of future settlement.

Once the structural soil is installed and compacted, place a geo-textile filter fabric over the soil. This fabric must be water permeable and designed to prevent fine dirt particles from migrating into the #57 drain rock.

Next a minimum of 3 inches of washed #57 aggregate should be applied on top of the geo-textile filter fabric to a depth of 3 inches below the desired finished grade. Aggregates must be compacted to achieve a level and even finish.

OPTIONS AVAILABLE FOR BASE OF TREE:

1. At the base of the tree trunk place a loose aggregate wedge utilizing the selected decorative ADDAPAVE aggregate. Funnel upwards to a depth of 3/8 – 5/8 inch below the final expected finished grade. This will provide a weaker bond to allow the tree to grow.
2. Place loose decorative ADDAPAVE aggregate at a 4 inch radius to the tree flush with the desired finished grade.
3. Install a protective tree collar at a 4 inch radius to the tree flush with the desired finished grade.

NEW TREE PLANTING RECOMMENDATIONS:

In order to realize the full benefit the Addapave TP system, the top of the root-ball of the newly planted tree should be at a minimum of 4 inches to 6 inches below the desired finished grade of the Addapave TP material. Since roots will not grow where no moisture is present, the more drainable aggregate that is placed on top of the root ball the less likely roots will grow towards the surface and cause damage to the surrounding structures. This drainable rock also serves two other important purposes related to the success of the system:

1. During construction of Addapave TP (resin bound material) excess resin which drains off the system prior the material setting is allowed to drain into the coarse aggregate below thereby preventing the “sealing off effect”, if the resin bound material were placed directly on the root ball the excess resin which drains off would seal the top of the root ball and thereby preventing air and water from permeating.
2. During the winter when water enters our system it is able to drain through the resin bound portion and collect in the drainable rock. This is the reason our system is not affected by freeze thaw.

APPLICATION TEMPERATURE:

Recommended temperature of application should be between 40°F and 85°F

ADDAPAVE TP MIXING AND APPLICATION:

ADDAPAVE TP mixtures consist of two aggregate size choices 6-10mm or 8-15mm and numerous decorative aggregate types to choose from. Each aggregate size and type must 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.

The contents of container labeled Part 'B' (Hardener) should be added to container labeled Part 'A' (Resin) and thoroughly mixed together using a forced action mixer or similar for a minimum of 2 minutes. Refer to the Catalyst Guidance Table to determine the proper amount of catalyst which must be added to the combined mixture of Part A and B. Mix for an additional 1 minute after the addition of the catalyst.

The pre weighed bags of aggregate should be placed in the suitable mechanical mixer just prior to the addition of the ADDAPAVE TP resin. The mixed ADDAPAVE TP resin should 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 shall be a pan style 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.

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

Lightly broadcast clear crushed glass grit grade 300 onto the finished surface to provide increased skid resistance.

COLOR:

ADDAPAVE TP resin is normally crystal clear in color however; the binder can be dyed to achieve a desired effect.

REQUIRED DEPTH:

ADDAPAVE TP 6-10 mm or 8-15mm mix ----- 3" (75mm) depth

SET TIME:

50°F (10°C)---1.5 – 2.5 Hours

68°F (20°C)---1 – 1.5 Hours

85°F (30°C)---1 Hour

HOW TO SPECIFY Chameleon Ways, Inc. ADDAPAVE TP

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:

ADDAPAVE TP resin bound porous surfacing consisting of aggregate, 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 an Authorized Chameleon Ways, Inc Applicator.

To specify the aggregate size, mixture and depth:

Identify and name the ADDAPAVE TP nominal aggregate size, ADDAPAVE TP mixture name and the application depth.

FOR EXAMPLE

Nominal Mixture Size:	<i>6 –10 mm</i>
Mixture Name:	<i>Red Granite</i>
Layer thickness:	<i>3 inches (75 mm)</i>

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

If you cannot specify ADDAPAVE TP alone, state “as supplied by Chameleon Ways and installed by an Authorized 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.”