

CONMARBLE
NATURAL FINISHES



TECHNICAL DATA SHEET
PU ADDASTONE
Resin Bonded Polyurethane

A CONMARBLE NATURAL FINISHES SYSTEM · RESIN-BOUND & RESIN-BONDED SURFACING

MANUFACTURED BY



Addagrip Terraco Ltd · United Kingdom

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OVERVIEW

PU ADDASTONE RESIN is natural, pale buff two-part resin surface dressing, designed to bind natural aggregates. The finish achieved provides an attractive, safe, hard wearing and low maintenance surface.

PREPARATION OF SURFACE

- Concrete must be primed using **EP Addastone Primer** (refer to product information sheets). Moisture content of concrete must be below 4% and be free from rising damp prior to any application. Typically takes 1 week per inch of new concrete to dry out.
- Newly installed bituminous surfaces should be installed and well compacted to current British Standard specifications. Base course of 50-60mm AC20 Dense Bin 100/150 and a 25-30mm AC6 Dense Surf 100/150 (± 6 mm) all laid to a minimum fall of 1:40 to 1:60. Existing bituminous surfaces must be of sound construction; any weakness could result in a bond failure or blistering. We strongly recommend that the client should take or, instruct, that core samples are taken to confirm base suitability. All bituminous surfaces to be treated with **PU ADDASTONE** must be dried for at least 7 days before using an encapsulated vacuum assisted shot blaster to remove the surface bitumen revealing the stones or at least 28 days if not shot blasting.

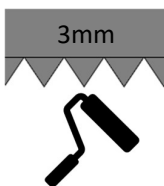
**SURFACES TO BE TREATED MUST BE DRY
DO NOT APPLY IN WET CONDITION**

MIXING & APPLICATION

PU ADDASTONE is supplied in units ready to use, comprising of Part 'A' (Resin) and Part 'B' (Hardener). First stir thoroughly contents in container 'A' to a homogenous consistency, then scrape contents of 'B' into container 'A' and mix thoroughly for several minutes using a low-speed electric drill. Use protective gloves and goggles. Failure to mix thoroughly will result in poor or non-cured material.

For any asphalt application an additional component, **Addastone Thixotropic Agent**, must be added (refer to the product information sheet for instructions on use).

The temperature of the substrate must be 3 degrees above the dew point temperature of the atmosphere. See Addagrip Dew Point table for assistance. **PU ADDASTONE** should not be applied at temperatures below 5°C nor above 30°C. Relative humidity should not exceed 80%.



Apply the mixed **PU ADDASTONE** immediately by 3mm serrated squeegee onto the prepared surface and back roller to even out the application. Particular attention should be given to areas around obstructions and protrusions making sure that all surfaces are covered. **PU ADDASTONE** resin bonded surfaces must be thoroughly swept/vacuumed on completion. Further sweeping/vacuuming will also be required until the initial shedding of aggregate has been exhausted. Addastone contractors will generally carry out the first main sweep/vacuum only.

Note: The colour and textures of natural aggregates may vary from batch to batch. Small particles of iron may be present in natural aggregates that could lead to possible rust spotting/staining.

PACKAGING & STORAGE

Packaged in 20kg and bulk units. Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 6 months. Use oldest material first.

COVERAGE RATES

The minimum coverage rate for **PU ADDASTONE** is dependent on the chosen aggregate:

Aggregate	Resin Coverage
0.5 – 1.5mm (Footgrade)	1.0 – 1.5kg per sqm
1.0 – 3.0mm	2.0kg per sqm

Quantity of aggregate required to ensure complete blanket coverage:

Aggregate	Aggregate Coverage
0.5 – 1.5mm (Footgrade)	4.0 – 5.0kg per sqm
1.0 – 3.0mm	7.5kg per sqm

TECHNICAL DATA

Product	Resin bonded polyurethane
Density	1.03g/cm ³
Colour	Natural but can be coloured to buff, dark grey or light grey
Application Temperature	+5°C to 30°C
Surface Temperature	Must be 3°C above the dew point temperature
Pot Life at 20°C	Approx. 30 minutes
Initial cure at 20°C	5-8 hours
Full Chemical Cure	7 days
Packaging	20kg or bulk units and 10kg thixotropic units for asphalt applications
Storage	6 months in original unopened containers

DISPOSAL CONSIDERATIONS

Normally the Part A resin will be mixed in its own container with Part B. When this is done correctly the resultant material in the container is inert and the label must be defaced. The container and remnant may be disposed of as normal industrial waste. Any uncured material must be disposed as hazardous waste. Please consider the regional or national regulations regarding disposal.

CLEANING OF EQUIPMENT & SKIN

Tools, brushes etc... should be cleaned immediately after use in **Addagrip Solvent Mixture**. For cleaning of hands/skin, use a deep cleaning soap with water. If a rash appears seek medical attention.

HEALTH & SAFETY

Before using this product, please ensure you have been supplied and have read carefully the following:-

1. The hazard label (complying with CLP – European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of substances and mixtures) applied to the container.
2. Safety Data Sheet
3. This product contains diisocyanate, as of 24th August 2023 adequate training is required before industrial or professional use.

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant safety data sheet.