



## PU ADDASTONE PLUS RESIN BONDED POLYURETHANE

AS-PSTF + AF-SY-10

### OVERVIEW

**PU ADDASTONE PLUS** is buff, dark grey, or light grey three-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

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 ( $\pm 6$ 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 PLUS** must be dried for at least 7 days before using an encapsulated vacuum assisted shot blaster to remove the surface bitumen revealing the stones.

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

### MIXING & APPLICATION

**PU ADDASTONE PLUS** is supplied as a 3-part system; comprising of Part 'A' (Resin), Part 'B' (Hardener) and Part C (Thixotropic Agent).

1. Cut a hole in one of the Part A lids – big enough to fit the drill paddle through.
2. Using the 2.5ltr empty bucket – measure approx. 200grams of Part C (full 2.5ltr bucket)
3. Carefully add Part C into container 'A'. Part C is very light and will be airborne easily.
4. Place lid with the hole back onto the container and mix to a homogenous consistency. Up to 1.5% addition is the recommendation.
5. Then scrape contents of 'B' into the mixed container 'A+C' and mix thoroughly for a minimum of 2 minutes using a low speed electric drill.

Use protective gloves and goggles. Failure to mix thoroughly will result in poor or non cured material.

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 PLUS** should not be applied at temperatures below 5°C nor above 30°C. Relative humidity should not exceed 80%.

Apply the mixed **PU ADDASTONE PLUS** 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 PLUS** 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 1492kg 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.



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### COVERAGE RATES

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

Aggregate	Resin Coverage
0.5 – 1.5mm	1.0 – 1.4kg per sqm
1.0 – 3.0mm	1.4 – 1.7kg per sqm

Quantity of aggregate required to ensure complete blanket coverage:

Aggregate	Aggregate Coverage
0.5 – 1.5mm	4.0 – 5.0kg per sqm
1.0 – 3.0mm	6.0 – 8.0kg per sqm

### TECHNICAL DATA

<b>Product</b>	Resin bonded polyurethane
<b>Density</b>	1.17g/cm <sup>3</sup>
<b>Colour</b>	Buff, dark grey or light grey
<b>Application Temperature</b>	+5°C to 30°C
<b>Surface Temperature</b>	Must be 3°C above the dew point temperature
<b>Pot Life at 20°C</b>	Approx. 30 minutes
<b>Initial cure at 20°C</b>	5-8 hours
<b>Full Chemical Cure</b>	7 days
<b>Packaging</b>	20kg and 1492kg resin (2.80:1 mix ratio by weight), and 10kg thixotropic units
<b>Storage</b>	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. Please note 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

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