

ADTEX

Resin Bonded Aggregate Surfacing

Description

Adtex is a new generation, flexible, two part, solvent free polyurethane hybrid resin system which, when used in conjunction with selected aggregates, provides a complete surfacing system. A variety of colours, shades and textures is achievable.

Uses

Adtex has been developed to provide an aesthetically pleasing, highly durable surface. It is particularly suitable for use in prestige developments to give a luxury 'feel' and in conservation areas where harmony with the surrounding environment is important. The wide range of aggregate colours and shapes available offers the potential to introduce design elements into landscaping and refurbishment projects.

Benefits

Adtex is a unique polyurethane hybrid that confers many advantages over alternative materials.

To Epoxies:

- Quicker curing, especially at lower temperatures
- Less affected by extremes of temperature
- Greater flexibility
- Less affected by age embrittlement
- Less prone to debonding

To Typical Polyurethanes:

- Longer open-time
- Better low-temperature flexibility

To Thermoplastics:

- More aesthetically pleasing
- Smaller build-up differential
- Low application temperature
- Can be used where site accessibility is restricted
- Is suitable for use in "flammable areas"
- Longer service life
- Easier to install

Adtex provides a good bond to most substrates, including asphalt, bitumen macadam and concrete.

Technical	
Specific Gravity	0.98
Pot life at 20°C	(approx) 20 minutes
Tensile Strength @ 23°C	10 N/mm ² min.
Elongation at Break @ 23°C	80% min.
Aggregate Coverage	8-10Kg/m ² fully blinded
	5-7Kg/ retained
Resin System Coverage	12-15m ² per pack
Initial set @ 20°C	1 Hour
Open to use @ 20°C	2 Hours

Colours

Adtex resin is supplied in a neutral amber colour to highlight the finish achieved from the aggregate dressing. Colours and shades are inherent in the choice of aggregate. A wide range of natural and manufactured aggregates can be used. The normal size range is between 1 and 3mm approx. Larger or smaller sized aggregates can be used with a corresponding adjustment to resin film thickness. Aggregates must be sound enough to withstand the loads envisaged and it is vital that aggregates are clean, dry and free from dust. The customer should ensure that any slip/skid resistance requirements are addressed. Adbruf can supply a range of aggregates selected for their appearance and performance. See separate Aggregates data sheet.

Surface Preparation

Ensure that the substrate is sound, clean, dry, contamination-free and suitable for the purpose. Any cracks or imperfections in the substrate are likely to reflect through the Adtex. Allow 28 days prior to applying Adtex to new asphalt.

It is important that any dust and foreign matter are removed. Remove oil, grease and similar contamination by washing with a suitable degreasing agent, followed by flushing with water. After preparation, ensure that the surface is completely dry. The use of a hot compressed air lance is advised. Any de-icing salt must be thoroughly washed away. Note: Deep depressions or



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pot-holes will result in the formation of mounds or ridges in the final surface. It is essential that these are made good prior to overlayment with Adtex. Very rough or deeply tamped concrete may require an additional application of Adtex resin to even out irregularities. In most instances Adtex is self priming. However, on friable or highly absorbent surfaces such as porous concrete and weathered timber, it is advisable to prime first with Adbruf Primer C.

Product Application

Ensure all mixing is carried out upon a suitably protected surface, to prevent contamination. Using a drill and (100mm) paddle, blend the total content of activator (small container) into the base material. Mix both components thoroughly for a minimum of 2-3 minutes until homogenous ensuring all material from the sides and bottom of the drum is included. Pour mixed material onto surface in rows and immediately spread out, using a serrated squeegee. Having spread out the resin, broadcast aggregate onto the surface ensuring that the resin is totally blinded by aggregate. If an adjoining area is to be treated, leave a wet edge and apply the contents of the next pack as soon as possible to avoid a possible 'joint' effect sweep off excess aggregate when resin system has cured. Uncontaminated aggregate may be recovered for reuse.

IMPORTANT: Do not scrape out resin residue from the walls and

base of the container as this may include material that is not activated.

Aftercare

It is normal for the surface to lose aggregate for a period after application. This aggregate should be surplus to the bonded layer and can be swept or lightly pressure washed off. Otherwise, aftercare is not normally necessary. However, loose detritus such as leaves and mud can be removed by light pressure washing, ensuring that the nozzle is held more than 15cm (6") away from the surface. Oil staining can be treated with a stiff brush and a strong solution of detergent and water. This should be flushed away with clean water afterwards.

Packaging and Storage

Adtex is supplied in 2-part sealed containers - Part A and Part B. The combined pack weight is 17.5 Kgs approx. Store under cover, in dry conditions. Shelf life is normally 12 months in the above storage conditions.

Health & Safety

See separate Safety Data Sheet.

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