

Tripave® Surfacing

Description

Tripave® is a highly durable, rapid cure and waterproof surfacing based on technically advanced methyl methacrylate (MMA) resin technology for pedestrian and vehicle traffic applications. Available in a wide range of colours and textures, **Tripave®** is ideal for both technical and decorative surfacing applications, in particular where time-critical installation is a high priority.

Tripave® is a fully bound surfacing incorporating aggregate within a thin multi-layer system and is compatible with most sub-bases including concrete, asphalt, macadam and metal. It can be overlaid directly onto existing surfaces without the need for breaking out or extensive preparation, so providing a highly durable and cost effective surfacing.

Tripave® is also ideal where a decorative, impervious surface is required. Fire resistant grades are available.

Tripave® MMA resins are 100% solids and contain no solvent. **Tripave®** systems have excellent durability, toughness and resistance to abuse and retain their protective properties providing long-term service life.

Tripave® is available for installation via Ayton Products and licensed contractors throughout the UK and Eire.

Features & Benefits

Installation

- Easy to apply
- Ultra fast 2 hour cure
- Existing surface overlay
- Solvent-free
- Cold cure (below 0°C)
- Weather tolerant
- Seamless surfacing
- High build systems
- Trowel and roller coat systems available

In Use

- Wide range of decorative finishes
- Natural aggregate systems available
- Waterproof
- Flexible surfacing
- Excellent slip resistance
- Excellent oil and chemical resistance
- Lightweight

Lifetime

- Tough and resilient
- Easy clean and repair
- Excellent bond strength
- Good impact strength
- Long durability 10 yrs +

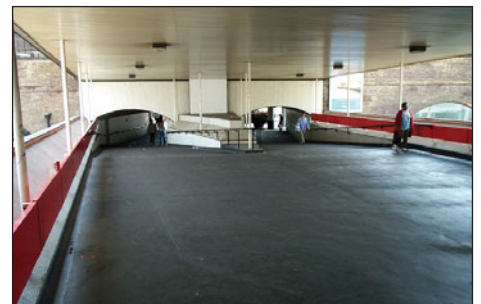
Uses

Tripave® has been specifically developed as a high performance decorative surfacing for fast track construction, short possession works, existing surface overlay and where chemical resistance or waterproofing is required.

Typical Applications



■ **Railway platforms**



■ **Bridge decks & walkways**



■ **Traffic calming**

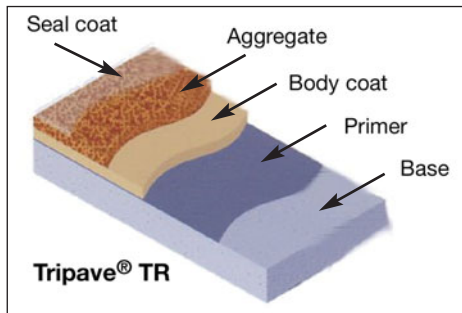


- **Bus, cycle and taxi lanes**
- **Parking bays**
- **Mastic asphalt overlay**
- **Anti-skid applications**
- **Balconies**

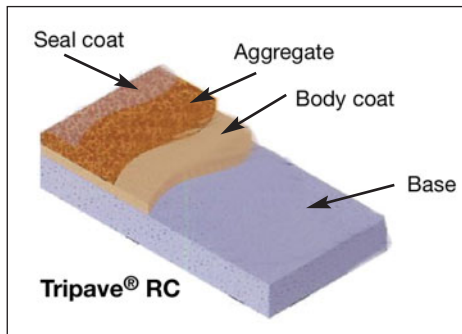
Typical Construction

Tripave® is available as trowel (**TR**) and roller coat (**RC**) grades to meet the demands of specific applications.

Tripave® TR trowel applied surfacing comprises primer, body coat with aggregate and seal coat layers in a nominal 3-6 mm thick surfacing.



A primer coat compatible with the substrate is first applied and allowed to cure. The body coat comprising resin and aggregate is then floated out to an even finish using a trowel and further aggregate broadcast on top to give the desired level of texture. When cured any excess aggregate is swept off and a pigmented or natural seal coat applied by roller / squeegee. **Tripave® TR** is suitable for all applications where a highly durable decorative aggregate finish is required.



Tripave® RC is a self-priming roller coat system developed for ultra-rapid decorative applications in a nominal 1-3mm thick surfacing. The body coat comprising resin, filler and pigment (where required) applied by roller to the substrate and aggregate broadcast on top. When cured any excess aggregate is swept off and a pigmented or natural seal coat applied by roller / squeegee. **Tripave® RC** is particularly suitable for colour demarcation on dense concrete or bituminous substrates.

Please refer to installation guide for full details on **Tripave® TR** and **RC** grades

Substrates

Tripave® can be readily applied to most substrates including concrete, bituminous surfaces, timber and metal, using the appropriate **Tripave®** primer where required.

Tripave® can be applied to most surfaces with only cleaning to remove dirt and any loose material. Newly laid substrates must be weathered for at least 14 days and all surfaces must be dry prior to application. Surface temperature for **Tripave® RC** should not exceed 25° C.

Excessively rough or open textured surfaces should be treated with **Tripave®** scratch coat prior to full application to help ensure a smooth and even final finish and avoid heavy use of body coat resins. **Tripave®** scratch coat is a mixture of specially formulated resin and fillers applied by float or squeegee to regulate the surface, curing in around 30 mins.

Packaging and Storage

Tripave® resins can be supplied in sealed containers in 5kg units, which are used as the mixing vessel. A powdered initiator is added to the resin and mixed thoroughly (aggregate / filler / pigment is then added for the body coat layer) and the resin is then ready for application.

Fillers and pigments for **Tripave® RC** body coat and **Tripave®** scratch coat can be supplied in a pre-weighed containers. Aggregates can be supplied in 12.5kg bags (TR body coat mix) or 25 kg bags (aggregate scatter only).

Tripave® resins and initiator should be stored in cool dry conditions, between 10 to 20°C and out of direct sunlight. Adequate ventilation should also be provided. Keep containers tightly closed when not in use.

Performance

Tripave® is a highly durable surfacing system resistant to the weathering effects of UV radiation, sunlight and to softening or degradation by oils, fuels and some commonly used solvents.

Under standard conditions and with a regular care and maintenance program, a **Tripave®** surface can be expected to have a useful life of at least 10 years and up to 25 years in some cases.

Maintenance

Tripave® surfacing does not normally require any special maintenance procedures other than normal street cleaning i.e. sweeping and light pressure washing with cold water and a mild detergent as required. Wet brush any stubborn dirt as necessary. For water pressure cleaning, the temperature of the water should not exceed 40°C and the stand-off distance should be not less than 450mm from the surface. Spinning nozzle and 15° fan jets are suitable, pencil jets are not.

Colours and Finishes

Tripave® is available in a wide range of bespoke colours and textured finishes for both anti-skid and decorative applications.

Natural and synthetic aggregates of typically 1-3 mm grading are broadcast into the body coat layer to create the desired texture or appearance. A clear or pigmented seal coat is used to provide additional colour enhancement and durability.

Typical Properties

Cure times:

Light foot traffic 1 hour @ 20°C

Full traffic 2 hours @ 20°C

Fire resistant grades to Building Regs Class 'O' BS 476 parts 6 & 7 available

Service temperature range:
-40°C to + 60°C.

Please refer to Physical Properties Data sheet for full details.

Quality Assurance

Tripave® is supplied within ISO 9001 quality, 14001 environmental and 18001 health and safety management systems certified by LRQA.

Health & Safety

Tripave® resins are flammable during application, so adequate safety precautions should be observed. Application should also be undertaken in a well-ventilated area as the resins have a distinct but non-hazardous odour. Please refer to Material Safety Data Sheets before use.