



Instagrip

Anti Skid Patch Repair

Applications

Ultracrete Instagrip is a resinous repair system for the patching of anti-skid areas or the reinstatement of anti-skid sections after maintenance work has taken place. The product is suitable for the anti skid patch repair of high friction surfacings typically placed on pedestrian crossings, junctions, roundabouts, footbridges, subways, car parks, etc. Ultracrete Instagrip is also ideal as an anti-skid surface on steel road plates and manhole cover frames.

Technical

Ultracrete Instagrip is a two-part solvent free polyurethane resin system, dressed with calcined bauxite aggregate. The product conforms to the Specification for Highways Works, clause 924 and Chapter 6 High Friction Surfacing of the Specification for the Reinstatement of openings in Highways, for resin-based skid resistant surface treatments. Ultracrete Instagrip is available in grey, buff, red, green and black.

Preparation

All surfaces should be clean, dry and in sound condition. Any oil, grease or other contamination should be removed by mechanical means as appropriate. Apply masking tape to outline repair area and create a straight edge to the repair.

Bituminous Surfaces

Any surface irregularity should be corrected before product application. "Fatty" surface build-up of bitumen should be removed by mechanical means. Ultracrete Instagrip should not be applied to surfaces under 28 days old or to a multi-layer surface dressing.

Concrete Surfaces

Any surface laitance should be removed. Old concrete should be mechanically abraded to a sound substrate. New concrete should have been laid for at least 28 days or should have moisture content of less than 5%. All concrete surfaces should be primed with Ultracrete Instagrip primer, which is available to order as a separate product.

Steel Road Plates/Ductile Ironwork

Any rust, paint or other coating should be removed. Surface should be grit blasted to SA2.5.

Mixing & Placing

Ultracrete Instagrip is supplied as a two-component system in pre-weighed packs. The resin has a pot life of between 8 and 20 minutes dependant on the ambient temperature and humidity. The aggregate is supplied with the pack. Do not add the aggregate to the resin. The maximum application area on smooth surfaces is 1.5m² per pack. On more open or textured surfaces the pack coverage area will be reduced. Note: If the maximum application area is exceeded, this will result in failure of the system.

Wearing the disposable gloves provided in the pack, the two components should be mixed together by adding the full contents of the activator bottle to the resin base in the tub. DO NOT part mix. The two parts should then be mixed thoroughly by means of the wooden spatula provided. After mixing, pour the resin out onto the area marked out within the masking tape with the plastic applicator. Spread out the resin mixture until the area is fully covered, paying particular attention to the edges and corners. The aggregate should be scattered onto the resin as soon as possible, before it begins to set. Any resin bleed should be covered by aggregate. Once fully set, sweep the excess aggregate away. After completion, the surface should not be opened to traffic or otherwise disturbed until the binder has completely cured, typically 1 to 2 hours depending on temperature and humidity.

Note: Avoid usage in temperatures below 5°C and above 50°C.



Features & Benefits

- Conforms to Highways Works Clause 924.
- Conforms to Chapter 6, Specification for the Reinstatement of Openings in Highways
- Rapid patch reinstatement for high friction surfacings.
- Reduces traffic management time and minimises congestion.
- Easy to use



Related Products

- Ultracrete Instaline** Thermoplastic Road Marking Repair
- Ultracrete LMP** Line Marking Paint
- Ultracrete Instaband** Skid Resistant Overbanding Tape



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Physical Properties

	Colour	Specific Gravity (N/mm ²)
Base	Khaki	1.13
Activator	Brown	1.23
Solvent	-	None
Non-volatile Content:	100%	
Bond Strength to Steel:	150kg/cm ²	
High Temperature Flow (Cured Sample):	No flow after 2 hours at 135°C	
Tensile Strength:	14N/mm ²	
Elongation at Break:	50%	
Pot Life:	10-20 minutes at 20°C	
Initial Set	1 hour at 25°C	
Curing Time:	1-2 hours depending on ambient temperature and humidity	

Health & Safety

This product should not come into contact with skin or eyes. Avoid inhalation of fumes and ensure that work is carried out in well-ventilated conditions. Protective clothing and gloves should be worn. In case of inadequate ventilation ensure that respiratory equipment is worn. The product can be removed from the skin by using soap and water, seek medical attention if discomfort continues. If swallowed, do not induce vomiting, rinse mouth thoroughly with water if conscious and seek medical attention if discomfort continues. For a full updated Material Safety Data Sheet please visit www.instarmac.co.uk

Product Details

Unit/Packaging	15kg plastic container including approximately 1.4kg base, 600g resin, 12-13kg aggregate, plastic applicator, wooden baton, 1 pair of gloves, 1 roll of masking tape
Storage	Store in dry place in a closed original container at temperatures between 0°C and 50°C
Shelf Life	Shelf life in correct conditions for sealed packaging is 6 months
Coverage	1.5m ² assuming smooth surface. Coverage will be affected by surface texture
Colours	 Grey Buff Red Green Black

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