

INSTAGRIP

Anti-skid Patch Repair

ULTRA
CRETE



For the patching and reinstating of high friction areas after maintenance work has taken place.

- Restores anti-skid
- Fast return to service
- Available in a range of colours
Grey, Buff, Red, Green, Black
- Easy to use
- Set time: 1-2 hours

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. Instagrip is also ideal as an anti-skid surface on steel road plates and manhole cover frames.

Technical

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.

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. All concrete surfaces should be primed prior to the application of Instagrip.

Steel Road Plates/Ductile Ironwork

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

Mixing & Placing

Instagrip is supplied as a two-component system in pre-weighed packs. The resin has a pot life of between 10 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 30°C.

Hot products only

Avoid skin contact with hot product. In case of contact with skin, immediately immerse in or flush area with water. Do not remove product from area and then seek medical advice. In case of contact with eyes rinse with plenty of water and seek medical assistance.

Storage

Store in dry place in a closed original container at temperatures between 5°C and 30°C.

Shelf Life

Shelf life in correct conditions for sealed packaging is 12 months.

Health, Safety and Environmental

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash your hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full material datasheet relating to this product is available from instarmac.co.uk

Quality assurance

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001. Our products are guaranteed against defective materials and manufacture, and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept any liability arising from the application or use of our products because we have no direct or continuous control over where and how our products are used. All products are sold subject to our conditions of sale, copies of which may be obtained on request.

Technical data

	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	
Unit/packaging	15kg bucket	
Coverage	1.5m ² assuming smooth surface Coverage will be affected by surface texture	
Colours*	Grey, Buff, Red, Green, Black	
Initial SRV	>65	
SRV after 100,000 wheel passes	>70	

*As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the product.

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