

FEATURES

6 mm & 3 mm size available

Rapid repair time

Easy to handle 25 kg bucket

Minimum equipment required

Apply in all weathers

Open to traffic immediately

Durable - long life

Permanent



PRODUCT INFORMATION

PRODUCT NAME

Ultracrete Instant
Road Repair (IRR)

PRODUCT

High performance
bituminous cold mix

DESCRIPTION

Manufactured in Malaysia, under license from Instarmac Group plc, United Kingdom, A specially formulated binder containing superior additives & anti stripping agents UK invention, mixed with specially graded high performance Malaysian granite aggregates. The chemically advanced binder has properties that allow the mix to be used cold whilst allowing effective compaction, resulting in technical strength properties comparable to, normal hot asphalt mixes.

APPLICATIONS

Ultracrete Instant Road Repair is a suitable solution for roads, pavements, driveways & car parks. The product can be installed instantly in wet, freezing & hot conditions & at the same time is compatible with the existing road surface. Ultracrete IRR can be applied at depths of 20mm - 100mm. (greater depths can be achieved by applying the layer on layer method)



Brush out debris



Fill in with Ultracrete IRR



Tamp down. Ready for trafficking

USAGE PROCEDURE

To apply Ultracrete IRR to the repair area

1. Remove all loose debris in pothole
2. Fill area with slow, steady & deliberate movements with spade & rake
3. Tamp with vibratory compactor or hand tamper from outer perimeter & working towards centre of the repair area.
4. If pothole is deeper than 30mm, please use layer upon layer method. Apply the product to 45mm & compact to 30 mm to achieve first layer, repeat to achieve the desired depth.
5. Immediate opening to traffic.

PROPERTIES

1. Convenient usage (no heating or priming)
2. High instant & long term load bearing capacity
3. Good adhesion to existing asphalt & concrete pavements
4. Immediate trafficking
5. Durable - lasts as long as the original pavements
6. Long storage : in excess of 6 months

HEALTH & SAFETY

Ensure that protective gloves, overalls & protective footwear are worn at all times while handling the material. avoid skin contact. However, should the bitumen binder adhere to the skin it can be removed with soap & water. Seek medical advice if discomfort continues. If product comes into contact with the eyes rinse with plenty of water & seek medical advice

TECHNICAL DATA

TECHNICAL PROPERTIES	JKR (PWD) REQUIREMENT	TYPICAL ULTRACRETE IRR
Marshall Stability (kg)	> 500	631
Flow (mm)	2 - 4	4
Binder Content (5)	4.5 - 6.5%	5-7
Base Bitumen	80 / 100	80 / 100
Penetration @ 25°C	80 / 100 dmm	80 / 100 dmm
Softening Point °C	45 - 52 °C	45 - 52 °C
Mean Wheel Tracking Depth	----	2.20 mm

APPLICATIONS

Ultracrete IRR is a worldwide success story, based on over 30 years of manufacturing expertise that provides a permanent solution for potholes repairs in asphalt & concrete pavements.

This high performance patching material has a unique specially formulated binder & superior graded aggregates - a winning combination that means the product achieves excellent compaction, allows immediate trafficking, & can be applied in all climatic conditions, from the **Tropics to the Arctic circle** whilst providing a durable permanent repair.

Extensive testing, evaluations & on site trials have been carried out to assesses the performance of Ultracrete IRR. Typical data terms of Marshall stability & rutting are evaluated for comparison with asphaltic concrete (ACW14). the overall performance of Ultracrete IRR shows exceptional results.



Before



After

FEATURES & BENEFITS

1. 6 mm grade stone
2. Used in wet, freezing & hot conditions
3. No special preparations
4. Immediate open to traffic
5. Only one visit required
6. Recyclable containers
7. Compatible with flexible road surfaces
8. Solvent free
9. Ready to use - No need to add water
10. Polished stone value 60 psv
11. Absolute no waste
12. Environment friendly - no CO² gases

THE PERFECT SOLUTION FOR YOUR REPAIRS

Roads | Airports | Railway Stations | Ports | Footpaths | Driveways | Car Parks | Cycle Track | Petrol Stations
Manholes | Playgrounds | Golf Courses | Hotels

A GLOBAL SUCCESS STORY



GERMANY

Temperate Climate

GERMANY



JAPAN

Cold Climate

JAPAN



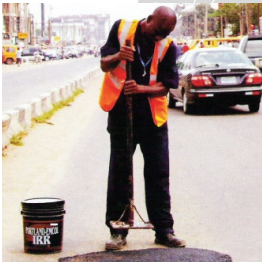
UGANDA

Tropical Climate

NIGERIA

UGANDA

MALAYSIA



NIGERIA

Hot Climate



MALAYSIA

Tropical Climate

NUMBER

1

**CHOICE IN OVER
30 COUNTRIES**

PHYSICAL PROPERTIES

PSV	60
Color	Black
Unit / Packaging	6 mm dense mix. 25 kg bucket
Storage	Store in a cool & well ventilated place
Transportation Information	Supplied 24 buckets per pallet
Shelf Life	Shelf life in correct conditions for sealed goods is 6 months
Coverage	1m ² x 12 mm (compacted)

Handling Guidelines

Ultracrete IRR is manufactured & delivered within as short a time as possible to ensure fresh easy to lay material is supplied. It should be noted that tubs on pallets, particularly those at the bottom, could appear firm. Applying light pressure to the edge of the bag will restore the material to its normal consistency.

