

ULTRA

ProFlex SP

Technical Data Sheet

Single Part Rapid Set Flexible Tile Adhesive

Features

- ◆ Floor & Wall
- ◆ Internal & External
- ◆ Porcelain
- ◆ Polymer Modified
- ◆ Flexible
- ◆ Natural Stone
- ◆ Under Floor Heating
- ◆ Swimming Pools

A single part flexible adhesive suitable for most tiling applications, including fully vitrified tiles. Guarantees adhesion to most building substrates, including screwed and fixed over-boarded floors.



Manufactured by **Instarmac Group plc**

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Single Part Rapid Set Flexible Tile Adhesive

INFORMATION

Ultra ProFlex SP is a single part, rapid set, polymer modified, cementitious wall and floor tile adhesive. Specially formulated to achieve enhanced adhesion and flexibility, it is ideal for areas where slight movement or vibration can occur. The adhesive's unique qualities make it suitable for fixing glass, porcelain, mosaic and ceramic tiles to most common building substrates, including concrete/sand render, screeds, brick and block work, heated sub floors, existing tiled surfaces and screwed and fixed over boarded wooden floors. Ultra ProFlex SP is perfect for both interior, exterior, wet and dry conditions, making it ideal for communal showers and swimming pools. It will take light foot traffic within 3 hours of application dependent upon temperature and substrate.

SURFACE PREPARATION

The tiling surface must be clean, firm, dry, free of dust, dirt, oil and grease, and be strong enough to support the weight of the adhesive and tiles being fixed. When tiling onto timber flooring ensure that the boards are dry (i.e. conditioned to the environment in which they will be used), rigidly fixed, ventilated beneath and free from barriers to adhesion. All plywood and flooring grade chipboard should have backs and edges sealed to prevent ingress of moisture and atmospheric humidity; the face to be tiled should be sealed with Ultra Flexi-Prime and left to dry prior to fixing. Boards should be 18mm thick and screwed down to the joists at 300mm centres or less. In all cases, the timber surface to be tiled should be adequately stable, strong and suitably rigid, enough to withstand the loads without deflection.

MIXING

Ultra ProFlex SP should be added slowly to clean water (20kg White: 4.8 litres of water; 20kg Grey: 4.4 litres of water) and mixed thoroughly to give a slump free, easily worked mortar. Once mixed, the mortar is ready for use immediately and has a working time of approximately 20 minutes at a temperature of 20°C. Mix only sufficient material to be used within the working time; do not remix or rewet.

APPLICATION

Apply the adhesive to a thickness of 3mm-20mm up to 1m² in one pass. On interior walls use a notched trowel leaving solid ribs, i.e. 3mm x 3mm at 6mm centres for mosaics, 5mm x 5mm at 10mm centres for wall tiles, and 8mm x 8mm at 16mm centres for floor tiles. On floors and external areas use the solid bed trowel method. Large studded tiles may also need to be 'buttered' with adhesive. Bed the tiles in with a slight twisting action. Leave spaces between the tiles for grouting (approximately 1mm-3mm for walls and 2mm-20mm for floors). Clean off excess adhesive from the tile face and grout lines with a damp cloth before it sets.

CLEANING

Tools should be thoroughly cleaned in water to remove excess materials immediately after use.

GROUTING

Leave for a minimum of 3 hours before grouting and/or walking on the tile. This time may be extended on impervious surfaces. Check set before grouting – Instarmac's technical team will be happy to suggest the best Ultra grout for ultimate performance.

FEATURES & BENEFITS

Ultra ProFlex SP is a single part, rapid set wall and floor tile adhesive. Suitable for heavily trafficked areas. Ideal for applications where movement and vibration is likely, such as over-boarded wooden floors and floors with under floor heating. Also suitable for areas such as communal showers and swimming pools, for use with Porcelain, Ceramic, Natural Stone, Mosaic Wall and Floor tiles.

TECHNICAL DATA

Packaging:	20kg, 10kg, 5kg – triple walled paper bags.
Standard Conformity:	Conforms to the requirements of EN12004 Class: C2F S1.
Bed Thickness & Coverage:	1-20mm. At 3mm bed thickness you will require 4.5kg material per m ² .
Open Time:	20 minutes depending upon temperature and substrate.
Set Time:	2-3 hours depending on temperature and substrate.
Storage:	This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts. If stored correctly and used within 6 months of the date shown on the bag, the activity of the reducing agent will be maintained and this product will contain, no more than 0.0002% (2ppm) soluble Chromium (VI) of the total dry weight of the cement.
Shelf Life:	6 months in above conditions. Please note: The use of this product after the end of the declared storage period may increase the risk of an allergic reaction. High temperatures and high humidity will lead to a reduced shelf life.
Colour:	20kg bags Grey and White. 5kg & 10kg bags Grey only.
Note:	All tiling should follow the correct British/European standard, and incorporate movement joints as specified therein.

QUALITY ASSURANCE

All products are manufactured in a plant the quality management system of which is certified/registered as being in conformity with BS EN ISO 9001:2000, ISO 14001:2004 and OHSAS 18001. ULTRA 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 responsibility 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 ULTRA products are sold subject to our conditions of sale, copies of which may be obtained upon request.

HEALTH & SAFETY

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash 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 appropriately. A full Material Safety Data Sheet relating to this product is available from www.instarmac.co.uk

CONTAINS PORTLAND CEMENT

• R37/38 Irritating to respiratory system and skin • R41 Risk of serious damage to eyes • R43 May cause sensitisation by skin contact • S24/25 Avoid contact with skin and eyes • S26 In case of contact with eyes, rinse immediately with plenty of water and see medical advice • S37/39 Wear suitable gloves and eye/face protection • S46 If swallowed, seek medical advice immediately and show this container or label • S51 Use only in well-ventilated areas • S56 Dispose of this material and its container to hazardous or special waste collection point.