

# ULTRA

## ProFlex **SP** +ES

Technical Data Sheet

## Single Part Extended Set Flexible Tile Adhesive

### Features

- ◆ Floor & Wall
- ◆ Extended Open Time
- ◆ Excellent Bond
- ◆ Under Floor Heating
- ◆ Flexible
- ◆ Internal & External use
- ◆ Wet & Dry Conditions
- ◆ Porcelain & Non-Porous

Suitable for interior/exterior use and wet and dry conditions. Excellent bond and flexural strength. Adheres fully vitrified tiles to most building substrates including over boarded wooden floors.



3-20mm bed thickness



Open time 1 hr



Set time 16 hrs



Interior or exterior use



Lifetime Guarantee



Federation of Stone Great Britain

20KG

Manufactured by **Instarmac Group plc**

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Version 06/07.WHD1889

## Single Part Extended Set Flexible Tile Adhesive

### INFORMATION

Ultra ProFlex SP+ES is a single part, extended set, flexible, polymer modified floor and wall tile adhesive. Specially formulated with extended workability for large format and intricate porcelain, ceramic and natural stone tile work, with exceptional adhesion and flexural capacity, it is ideal for situations where vibration may occur. The adhesive's unique qualities make it ideal for fixing tiles to most common building substrates including concrete/sand render, screeds, brick and block work, heated sub-floors, existing tiled surfaces and overboarded wooden floors. (For substrates with greater movement or vibration refer to Ultra Flex 2P). Ultra ProFlex SP+ES is perfect for both interior, exterior, wet and dry conditions, such as conservatories, showers, saunas and swimming pools.

It will take light foot traffic 16 hours after application, dependent upon temperature and substrate.

### SURFACE PREPARATION

The tiling surface must be clean, firm, dry, free of dust, dirt, oil and grease, or any other contaminants, and must be strong enough to support the weight of the tiles and adhesive. It is advisable when applying adhesive to porous surfaces that the area be primed with Ultra Flexi-Prime as this will help to prevent water penetration, increase bond strength and reduce the possibility of adhesive failure.

### MIXING

Ultra ProFlex SP+ES should be added slowly to clean water. Mix thoroughly to give a slump free easily worked adhesive. The mix proportions by volume are 2.5 parts powder to 1 part water. A 20kg bag of Ultra ProFlex SP+ES will require approximately 5 litres water (White), or 4.4 litres water (Grey). Once fully mixed, it is immediately ready for use and has a working time of approximately 1 hour at 20°C. We strongly advise that you do not mix more than can be used in this time. Do not re-wet the adhesive.

### APPLICATION

Apply the adhesive to a thickness of 3mm-20mm up to 1m<sup>2</sup> 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

Temperature and conditions may affect the tile set and therefore the grouting start time. 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+ES single part, extended set, high strength, wall and floor tile adhesive. Suitable for heavily trafficked areas. Ideal for applications where movement and vibration is likely, such as overboarded wooden floors.

### TECHNICAL DATA

Packaging:	20kg – triple walled paper bags.
Standard Conformity:	Conforms to the requirements of EN12004 Class: C2E S1.
Bed Thickness & Coverage:	At 3mm bed thickness you will require 4.5kg material per m <sup>2</sup> (6mm = 9kg material per m <sup>2</sup> ).
Open Time:	1 hour depending upon temperature and substrate.
Set Time:	16 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; extreme temperatures and high humidity will further reduce shelf life.
Colour:	White and Grey.
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 on [www.instarmac.co.uk](http://www.instarmac.co.uk)

#### CONTAINS PORTLAND CEMENT

• R41 Risk of serious damage to eyes • R37/38 Irritating to respiratory system and skin • S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice • S46 If swallowed, seek medical advice immediately and show this container or label • S51 Use only in well-ventilated areas • S24/25 Avoid contact with skin and eyes • S37/39 Wear suitable gloves and eye/face protection • S56 Dispose of this material and its container to hazardous or special waste collection point • S64 If swallowed, rinse mouth with water (only if the person is conscious) • S37/39 Wear suitable gloves and eye/face protection • P17 Contains chromium (VI). May produce an allergic reaction.