

REC TOP PU 1008

EXTREMELY DURABLE POLYURETHANE FLOOR SCREED SYSTEM AT 6-9MM THICKNESS

DESCRIPTION

REC TOP PU 1008 is a water-based resin-rich polyurethane floor screed which is trowel applied for use on concrete and polymer modified cementitious screeds. It provides good anti-slip properties and a seamless, textured, matt finish and is non-tainting.

REC TOP PU 1008 has been designed for use in areas where there is extremely heavy traffic, extreme temperatures (steam cleaning, boiling water, liquids up to 120°C at 9mm), and has excellent chemical resistance, such as concentrated citric acid, spirit vinegar, lactic acid and common alcohols found in the food, dairy and pharmaceutical industries.

PRIMARY APPLICATIONS

Areas of heavy usage and high chemical resistance, where a seamless and easily maintained surface is required. Usage areas include: chemical plant processing, food manufacture and processing, medical and veterinary practice, dairies and animal husbandry, breweries, heavy duty plant and traffic areas, engineering, etc.

Suitable substrates: **REC TOP PU 1008** may be applied to concrete, granular concrete and polymer reinforced screeds.

Colour: **REC TOP PU 1008** is available in 6 standard Polycote colours. The final finish is mottled due to the presence of aggregate at the surface. We can make it to your specification on any order over 30 units.

DIRECTIONS FOR USE

SURFACE PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL

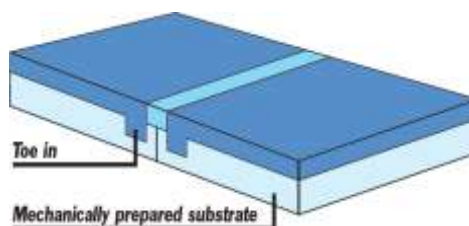
All substrates must be clean, sound, dry and free of surface laitance. Recommended methods are:

Powerfloated concrete - use a Vacuum Assisted Shotblaster to remove weak laitance and provide a surface key for the coating. If this is not possible, chemically etch with REC Cleaner, then rinse thoroughly and allow to dry.

Loose paint or rust - remove, using a Vacuum Assisted Shotblaster, Floor Grinder or equivalent method.

Loose or friable concrete - use a Vacuum Assisted Shotblaster. If this is not possible, chemically clean with REC CLEANER then rinse thoroughly and allow to dry.

Metal - use a shot-blaster to prepare the surface to SA2.5 (bright steel) and primed with REC Zink Primer. Deckplates of 4mm or less do not provide a sufficient substrate for **REC TOP PU 1008**, please contact RECKON Technical team for further information.



To give a professional finish, we advise that grooves are cut into the floor around the perimeter of the substrate, to give the screed an anchorage. The groove should be about 20mm wide and 8mm deep and about 150mm from the edge.

MIXING

Once the surface has been thoroughly prepared, a suitable primer has been applied, and the surface is tack free, apply **REC TOP PU 1008**. Prior to mixing, the temperature of the three components must be between 15°C and 25°C. Stir the individual components before mixing together.

Add Part 'B' to Part 'A' and thoroughly mix for at least 1 minute. Steadily add the aggregate whilst continuing to mix. Mix thoroughly for 3 minutes once all the aggregate has been added. For best results use a heavy duty slow speed drill (300 - 400 rpm) with a mixing paddle.

Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.

APPLICATION

Once fully mixed, apply the product between the battens (if necessary) and level with a steel float. If a smooth finish is required (to assist cleaning), back-roll with a short pile roller.

APPLICATION CONDITIONS

Normal application temperature is between +15°C and +25°C. Air humidity must not exceed 90%. **REC TOP PU 1008** should be room temperature when applied, if the product is warmer than usual, pot life and curing times will be greatly reduced. Similarly, times will be greatly extended in colder applications.

POT LIFE & CURING TIME

REC TOP PU 1008 has a pot life of approximately 15 minutes at 20°C, however this can be reduced to as much as 8 minutes at +25°C. The product will accept light pedestrian traffic in 12 hours, light wheeled traffic in 24 hours, heavy duty traffic in 48 hours and fully cured in 7 days.

COVERAGE

The coverage of a 30.3kg unit of **REC TOP PU 1008** is approximately 2sqm at 6mm nominal thickness, or 1.4sqm² at 9mm nominal thickness.

The above coverages slightly over allows the amount of material needed. If the substrate is very rough the coverage may reduce slightly. 2.3kgm² per mm

CLEANING

Tools and equipment should be cleaned whilst resin is still wet with Solvent Cleaner. Hands and skin should be cleaned immediately with Organic Hand Cleaner.

PACKING

REC TOP PU 1008 is supplied in pre-measured quantities as a three part 30.3kg unit, comprising a coloured resin blend Part 'A', hardener Part 'B' and aggregate Part 'C'.

STORAGE

Shelf life in unopened containers is approximately 12 months subject to conditions of storage. Store in a cool, dry, frost-free environment away from sources of ignition.

HEALTH & SAFETY

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

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