

# HIGH QUALITY ULTRA THIN SCREED FOR BONDED AND UNBONDED APPLICATIONS



TS - 15 DATASHEET

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### **DESCRIPTION:**

Roadstone TS-15 Quick Floor Screed is a revolutionary new anhydrite screed material. It is specially formulated to offer a strong and durable ultra-thin topping to a solid interior substrate, for example, in situ concrete or beam and block or precast concrete plank. Tested to BS8204:1:2003 it meets the requirements for class A for impact resistance. Due to its ultra-thin depth, just 15mm minimum, TS-15 can be dried quickly allowing rapid return to service and application of finished floor coverings.

Roadstone TS-15 Quick Floor Screed is perfectly suited to flooring applications where height is extremely restricted and offers a lightweight cost effective alternative to smoothing compounds. It can be installed extremely quickly to at least 2000m2 per day. This represents a significant saving in time when compared to bagged, site mixed smoothing compounds and levelling screeds.

Roadstone TS-15 Quick Floor Screed is designed to be laid to a minimum of 15mm depth and can be used either bonded directly to a solid substrate prepared in accordance with BS8204:7:2003 or unbonded on a polythene membrane.

For project specific advice on design and for a model specification, contact our technical and specifications team.

Some typical applications include:
Refurbishment of old uneven floors.
Remediation or correction for out of level concrete slabs

As a levelling screed over floors where floor to ceiling height is very restricted.

Sub floor levelling in preparation to receive finished floor coverings.

Overlay for poorly levelled screeds
As an alternative to light weight screeds



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### **PHYSICAL DATA**

**Appearance** Grey fluid mortar, can vary

depending on location

**Density** Wet 2200kg/m<sup>3</sup>

Dry 2000kg/m<sup>3</sup>

**Typical Strength (28 days) N/mm2** CA-C35-F6

**Required Flow (EN 13454-2)** 230mm to 270mm

**Reaction to Fire**Class A1fl Non Combustible

### PERFORMANCE DATA

**Working Time :** Place within 2 hours of batching

Finish within 1 hour of placing

**Foot Traffic** 24 to 48 hours **Loading** 5 to 7 days

**Drying Time (20°C/60% RH)** in excess of 1mm/day

**Force Drying** Can be force dried after 7 days

Minimum Depth 15mm

# TYPICAL APPLICATION SCHEMATIC

| Laid Un-Bonded  |  |
|---|--|
| Minimum 15mm —  |  |
| Polythene Slip Membrane   | The state of the s |
| Solid Substrate as specified ———————————————————————————————————— |  |
| Ceiling detail to be specified (not shown)                        | —— W   |

### **ENVIRONMENTAL DATA**

Recycled Content Binder 98%

Mortar up to

Mortar up to 40%

Carbon Emissions Binder 10 to 30kg/

tonne

Mortar 20 to 40kg per m<sup>3</sup>

**VOC** Virtually zero

Recyclability 100%

## **HEALTH AND SAFETY DATA**

**Roadstone Quick Floor Screeds** are delivered to site ready to use via offsite mixing plants, removing the need for labour intensive site mixing and associated mixing equipment.

**Roadstone Quick Floor Screeds** are pumped directly to where they are needed, removing much of the manual handling operations required to install other

**Roadstone Quick Floor Screeds** are generally pumped using equipment with closed or grilled dispensing hoppers, removing risk of contact with moving machinery.

**Roadstone Quick Floor Screeds** are finished using a lightweight dappling bar requiring no secondary compaction, thus removing most of the physical work needed to lay other screeds. This significantly reduces the negative impact on the musculoskeletal system of installing contractors.