

Rapid set decorative screed for residential and light commercial use

Product Description

TAL SUPERFLOW is a cement based self smoothing decorative screeding system which is supplied in a wide range of colours. It is shrinkage compensated and rapid setting. The system is designed to produce a hard wearing decorative floor surface suitable for residential and light commercial applications. It is suitable for interior applications only.

Advantages

- Fast track system
- Wide range of colours and design options
- Reduced labour cost
- Easy to maintain
- Shrinkage compensated
- Durable and abrasion resistant
- Casein and protein free
- Seamless smooth noise reducing substrate

Specification Compliance

SCAQMD Rule 1113
LEED NC2009 IEQ 4.2

Laboratory Test Data

Property	Typical Results
Compressive strength	>25MPa at 28d
Flexural strength	> 4MPa at 28d
Relative Density	1.8

The above data was obtained under laboratory conditions using freshly manufactured material at a water/powder ratio of 0.23. Actual results in the field will vary as a result of different factors such as how long the product has been stored, storage conditions, temperature, actual water content, curing regime, quality of samples, compaction method and the type of equipment used for sample preparation and testing.

Service Temperature Range

5 to 80°C

Volatile Organic Content

VOC = <10 g/L

Application Properties

	10°C	20°C	30°C
Working time after mixing	1h 45	1h 15	45min
Initial set	2h	1h 30	1h
Light foot traffic	4h	3h	2h 30
Heavy traffic	30h	24h	18h
Application temperature	10 to 30°C		
Temperature of mixed material	20 to 30°C		
Substrate temperature	10 to 30°C		
Application thickness	8 to 15mm		

Colours

RAL 7032 Pebble Grey
RAL 7037 Dusty Grey
RAL 7042 Traffic Grey
RAL 7044 Silk Grey
RAL 7047 Telegrey 4
RAL 8023 Orange Brown
RAL 8052 Pale Brown
RAL 9002 Grey White
RAL 9003 Signal White
RAL 1014 Ivory
RAL 1013 Oyster White

Installed product may not be an exact match to the RAL numbers above due to the nature of cement based products.

Water Content

5L per 22 kg bag

Yield & Coverage

Approximately 1.9kg of mixed material / m² / mm thickness.

Packaging

22kg bags.

Shelf Life

When stored in dry internal conditions between 10°C and 30°C and out of direct sunlight and rain the product has a shelf life of 6 months from date of manufacture. Never store directly on a concrete floor.

Installation Guidelines

Cementitious based flooring should only be carried out by experienced contractors. TAL provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Substrate Strength

Substrates to have a pull off strength of 1.5MPa when tested to BS EN 13892-8 or ASTM D 45542 or a rebound hammer value in excess of 25 when tested to BS EN 12504-4 or ASTM C805.

Surface Preparation

Allow all new concrete work and screeds to cure for at least 6 weeks and 4 weeks respectively before proceeding. The substrate must be structurally sound. Loose or unsound concrete or screed must be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. Any screed must be fully bonded to the underlying concrete, and the substrate must be integrally sound (no crumbling, cracking, etc). The surface should be prepared by captive blasting to produce an exposed aggregate surface, ie a ICRI CSP 5 or 6 surface profile.

Mixing

TAL EPOXYBOND LV (See separate data sheet)
Add the hardener to the base and mix using a slow speed drill (350rpm) with an TAL approved mixing paddle for 3 minutes, or until both components have fully dispersed and the mix is uniform in colour. Be sure to rotate the mixer throughout the drum. Mix only full packs.

TAL SUPERFLOW

Add TAL SUPERFLOW to water and mix for a minimum of three minutes until a lump free consistency is achieved. Use an TAL approved forced action mechanical mixer.

Priming

Prime with TAL EPOXYBOND LV. Apply in a single coat by brush, roller or airless spray, taking care to work the mixed material well into the substrate. Ensure a uniform coating is achieved and that no ponding occurs. Place TAL SUPERFLOW within 6 hours at 25°C. Fully blind the wet primer surface immediately after application with TAL ANTISLIP GRAIN (M or C) and allow to cure for 24 hours prior to the application of TAL SUPERFLOW. If blinding the surface, ensure that all loose aggregate particles are removed, by sweeping and then vacuuming the floor surface.

Application

Application of TAL SUPERFLOW requires a fully trained specialist contractors. Contact TAL for details of specialist contractors who can apply TAL SUPERFLOW.

Traffic Times

The surface can be subjected to light foot traffic after 4 hours (depending on application thickness and ambient conditions). The floor can be subjected to full service conditions after approximately 30 hours (temperature dependent).

Sealing

Sealing of the surface is imperative to protect the floor against staining. Sealing should be undertaken using TAL POLISHCOAT or Diversey Technique.

Limitations

Do not mix by hand.
Do not part mix, use only full bags.
Do not apply in rain or wet conditions or at temperatures below 4°C.
Lower temperatures produce a slower set, higher temperatures produce a faster set.
Do not expose to water until the product is fully cured.

