



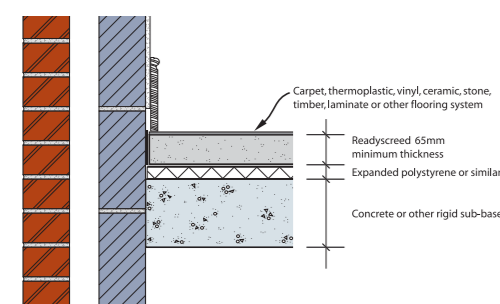
Uniclass L5371	EPIC E451
CI/SfB (43)	Yg4



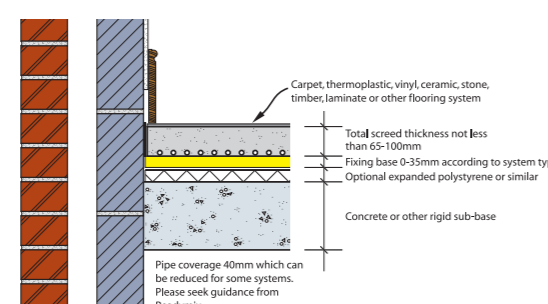
CEMEX Readymix produce an extensive range of high quality, ready to use screed products, covering a wide variety of applications including traditional and flowing methods. All of our products are designed with the final surface finish in mind and are tailored to meet the specific needs of our customers.



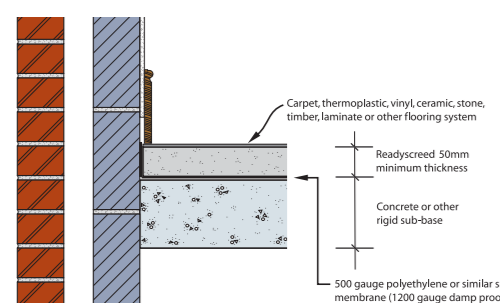
Readyscreed® technical datasheet



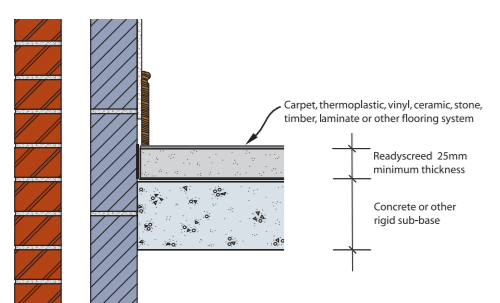
Readyscreed® floating floor with insulation



Readyscreed® with underfloor heating



Readyscreed® 'normal' or 'typical' unbonded



Readyscreed® 'normal' or 'typical' bonded

* all thicknesses are based on current BS 8204 Part1

About CEMEX

CEMEX is a growing global building materials solution company pursuing innovative industry advancements whilst promoting a sustainable future. Annual sales in over 50 countries exceed US\$ 15 billion. The company is one of the world's leading suppliers of ready-mixed concrete, one of the largest producers of aggregates, and among the world's top traders of cement, employing over 50,000 people worldwide.

In the UK, CEMEX is a leading provider of readymix concrete, aggregates, mortar, cement and asphalt. CEMEX UK also has a significant share of the roof tile, concrete block paver and concrete block markets, and is the leading supplier of concrete sleepers to the rail industry.

For more information contact our Screed Helpline
Tel: 0800 667 827
E-mail: gb-enquiries@cemex.com

Or visit our website at
www.cemex.co.uk/screed

The information contained in this publication was accurate at the time of production, however CEMEX reserves the right to introduce modifications or changes to detail at any time, as part of a policy of continuous improvement.

This paper is produced from pulp sourced from properly managed sustainable forests, is elemental chlorine free, uses up to 20% best white waste and is totally biodegradable.





READYSCREED®

Introduction

CEMEX manufactures a range of screeding materials to meet individual and specific requirements. These screeds are retarded for a specific time, generally 12 hours and thus remain usable for one working day. Materials supplied in this way provide significant productivity benefits on site in addition to enhanced product quality.

In addition to original Readyscreed®, CEMEX also offers Readyscreed® Early Strength, a high early strength screed, and Readyscreed® Reinforced with added fibres for extra reinforcement.

The Readyscreed® range is suitable for all conventional screed applications, including monolithic, bonded and unbonded construction, and as a floating screed.

Manufacture

The Readyscreed® range is manufactured at specialist production units. The addition and mixing of all constituent materials are carried out under precisely controlled conditions to ensure complete dispersion of the mix components prior to discharge into the delivery vehicle.

Authority

The Readyscreed® range of screeds complies with BS EN 13813:2002 Screed Material and Floor Screeds - Screed Material - Properties and Requirements when tested in accordance with BS 13892 Methods of Test for Screed Materials.

All constituent materials comply with their relevant British Standards.

Fire protection

All Readyscreed® screeds are non-combustible as defined by the relevant standards EN 13501-1.

Shrinkage

Readyscreed® displays a reduced moisture content in comparison with site mixed screed formulations therefore Readyscreed® screeds offer significantly reduced potential for shrinkage problems.

Effect of frost

It is recommended that suitable precautions be taken against frost during cold weather conditions.

Supply

Readyscreed® screeds can normally be delivered within 24 hours of receipt of order. Deliveries are usually made in minimum 10 tonne loads, and all prices quoted are based on this quantity. Prices for smaller loads are available on request.

Composition

Readyscreed® screeds are composed of precisely weigh batched cement and selected aggregates together with an accurately dispensed cement set retarding agent.

Durability

It should be remembered that screed materials are not generally wearing surfaces, and should therefore be covered with a suitable surface finish such as vinyl, ceramic tiling, carpet, stone, timber or other finish. Technical advice on other suitable finishes is available on request.

Compatibility

Readyscreed® screeds are compatible with all normal construction materials.

Application thickness

The thickness of application should be as recommended for each type of construction. As shown in Table 1 below.

Yield

Table 2 below illustrates approximate yields per tonne and per cubic metre for varying application thicknesses.

Table 1 – Application Thickness

Type of construction	Application thickness (mm)
Monolithic	12-15
Bonded	25 min
Unbonded	50 min
Floating	65 min

Table 2 – Yield

Thickness (mm)	Area/Tonne (m ²)
20	23
30	15
40	11
50	9
60	8
70	6

READYSCREED® ORIGINAL

Introduction

Readyscreed® Original is a high performance, flooring screed, CE marked and complying to the requirements of BS EN 13813. It is delivered to your site ready to use, and displays distinct advantages over site mixed screeds in terms of accurate mix proportions, consistent properties, shorter drying times and higher strength.

- Accurate mix proportions
- Consistent high performance and workability
- Shorter drying times over site mixed screed

High performance

Readyscreed® Original demonstrates excellent strength characteristics when tested in accordance with BS EN 13892.

Curing times

We advise curing for at least the first 7 days. This can be achieved by covering with plastic sheeting or similar, to good site practice recommendations, at normal temperatures.

Retardation

Normal retardation time is 12 hours from the time of manufacture, due to the inclusion of a cement set retarder. The material therefore remains usable for one working day. Guidance on retardation periods is available upon request.

Surface preparation

The base concrete surfaces should be structurally sound and free from excessive dust, laitance, dirt or contaminants such as oil and grease. For bonded construction there must be a complete absence of these materials and a bonding coat of cement/water or cement/polymer should be brushed onto the base surface and the screed applied when the bonding coat is wet.

Site practice

Use of Readyscreed® should be in accordance with British Standard BS 8204. As a ready to use material, Readyscreed® Original requires no on site mixing equipment and labour, or facilities for component material storage.

Discharge on site should ideally be onto a clean hard standing, and the material should be suitably protected against drying, rainfall and freezing where appropriate.

READYSCREED® EARLY STRENGTH

Introduction

Readyscreed® Early Strength is a high performance, flooring screed displaying all the properties of Readyscreed® Original. Additionally it has enhanced early strength and will dry in approximately half of the time taken by conventional floor screeds. Ready to use, it offers many advantages over site mixed screeds with respect to its shorter drying times, higher strength and excellent workability.

- Accurate mix proportions
- Consistent high performance and workability
- Shorter drying times over site mixed screed
- Greater resistance to abrasion and impact during early life

High performance

The higher early strength characteristics of Readyscreed® Early Strength are achieved through the special formulation of the material. The presence of a superplasticiser in Readyscreed® Early Strength allows for a substantial reduction in water content. This reduced water content results in a very high early strength and means that drying times are reduced.

Workability

Readyscreed® Early Strength displays excellent workability when compared with traditional screed formulations. The benefits of a lower moisture content in no way detract from the material's performance in this respect.

Curing times

We advise curing for at least the first two days. This can be achieved by covering with plastic sheeting or similar to good site practice recommendations, at normal temperatures.

Hardening & drying

Under normal conditions Readyscreed® Early Strength hardens sufficiently in two days to allow light foot traffic. Full site traffic may subsequently be allowed at seven days. In extremely cold weather conditions, these times will be slightly prolonged.

Readyscreed® Early Strength dries at over twice the speed of a conventional screed, with a drying rate of 2.5mm per day being typical. This time may be increased if the screed is laid on a concrete base exhibiting excessive moisture, or in conditions of low temperature or high humidity.

Abrasion & impact

High early strength ensures greater resistance to abrasion and impact, when compared with traditional screeds, during the early life of the screed.

In situ crushing resistance

The table below shows measurements of resistance to indentation as observed using Building Research Establishment Screed Test Equipment as required by BS 8204.

Mix Design	Indentation Depth (mm)				
	@ 1 day	@ 2 days	@ 5 days	@ 7 days	@ 14 days
1:3	0.35	0.25	0.15	0.10	0.10
1:4	1.1	0.5	0.45	0.4	0.3

Retardation

Normal retardation time is 8 hours from the time of manufacture, due to the inclusion of a cement set retarder. The material therefore remains usable for one working day.

Surface preparation

The required surface preparation is in accordance with that for conventional screeds.

Site practice

Use of Readyscreed® Early Strength should be in accordance with British Standard Code of Practice 8204. As a ready to use material, Readyscreed® Early Strength requires no on site mixing equipment and labour, or facilities for component material storage.

Discharge on site should ideally be onto a clean hard standing, and the material should be suitably protected against drying, rainfall or freezing where appropriate.

READYSCREED® REINFORCED

Introduction

Readyscreed® Reinforced is a high performance, flooring screed, which contains a measured amount of polypropylene fibres. As a substitute to light mesh the use of fibres in screed ensures the reinforcement is in the correct position and correctly distributed. Additionally mesh does not have to be bought or stored and the difficulties in ensuring the mesh is at the right depth are eliminated.

- Accurate mix proportions
- Consistent high performance and workability
- Shorter drying times over site mixed screed
- Fibres eliminate need for mesh and ensures even distribution

Readyscreed® Reinforced demonstrates excellent strength characteristics when tested in accordance with BS EN 13892.

Curing times

We advise curing for at least the first seven days. This can be achieved by covering with plastic sheeting or similar to good site practice recommendations at normal temperatures.

Retardation

Normal retardation time is 12 hours from the time of manufacture, due to the inclusion of a cement set retarder. The material therefore remains usable for one working day.

Surface preparation

The required surface preparation is in accordance with that for conventional screeds.

Site practice

Use of Readyscreed® Reinforced should be in accordance with British Standard BS 8204. As a ready to use material, Readyscreed® Reinforced requires no on site mixing equipment and labour, or facilities for component material storage.

Discharge on site should ideally be onto a clean hard standing, and the material should be suitably protected against drying, rainfall or freezing where appropriate.