



Product Overview



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In a fast moving and dynamic world,
time is money.

Floors need to be laid quickly and be available to following trades in the shortest time possible. Resapol supply a comprehensive range of flooring products, consisting of Industrial, Commercial & Design Floor screeds. They have been developed for favourable speed, durability, strength, smoothness and technical advanced performance.

Commercial screeds are developed for speed, high-performance and give a smooth surface that are ready for foot traffic after a few hours and that can be covered with a soft floor covering in after 24 hours.

Products for use as floating, un-bonded and bonded screeds including insulated, acoustic or heated floors.

Industrial screeds require, speed, strength and durability. High-performance industrial screeds available in Resapol's range offer exactly these features and benefits. Creating strong, smooth, long lasting floors with minimal down-time.

The speed of application can be up to ten times faster than traditional screeds and the fast drying/curing properties allow forklift traffic or resin finishes to be applied within 24 hours depending on product.

Design Floor products are a way of creating hard-wearing, seamless super-smooth floors to complement any environment, whether in the retail sector, commercial developments or domestic areas.

The Resapol product range enables designers to create practical floors with eye-pleasing aesthetics, together with the advantages of self-smoothing screeds that are quick, simple and cost-effective to install.

WHO ARE DCP?

Don Construction Products (DCP) has over 90 years of experience in developing and manufacturing innovative and high quality construction materials. The core range focussed around concrete & cement technology, underground construction technology, construction projects materials technology and building finishing products. Their continue commitment to R&D ensures enduring product performance and Resapol is pleased to be able supply these products to customers.



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CEMFLOW RENOVATION

Designed as a pump or hand applied levelling base screed for use under most finished floor coverings or resin based materials, where thicker applications are required when upgrading and renovating new and existing internal floors. Supplied as a pre-blended dry powder designed for application between 5 and 50mm in one application, to provide a sound base. Cemflow Renovation is self - smoothing, dimensionally stable and fast drying. It is suitable for use in a wide range of industrial environments such as warehouses, food processing plants etc.

Cemflow Renovation is not designed as a wearing surface and should be covered with finished floor coverings, e.g vinyl laminate, tiles and carpets, etc. Cemflow Renovation can be applied onto concrete floors, screeds, terrazzo, tiles, plywood, timber and certain rigid insulation boards.

CEMFLOW LEVEL PRO

High quality, rapid drying, self- smoothing, dimensionally stable screed for upgrading and renovating new and existing residential and commercial floors. Cemflow LEVEL PRO is supplied as a pre-blended dry powder designed for application between 0.5 mm to 20 mm (in one application) and it can receive floor coverings after 24 hours. Cemflow LEVEL PRO is protein free, which makes it suitable for use in biologically sensitive areas.

WHAT IS THE “NORMAL” DRYING TIME FOR THE LEVELLING SCREED?

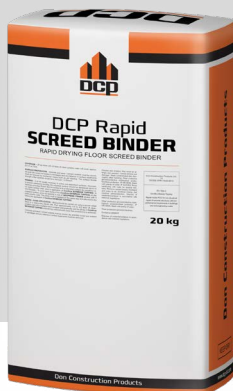


This information is given on the data sheets. But for more traditional cement based flooring products the rule of thumb is, in good conditions at 1mm per day up to 50mm thickness, then 2 days per millimetre thereafter.

i.e. a 75mm screed will take approximately 100 days to dry.

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RAPID SCREED BINDER

A proprietary, fibre reinforced cementitious binder used for creating rapid drying and high strength category A and category B screeds.

Screeds produced with DCP Screed Binder Rapid have a typical drying time of 5 days, considerably faster than traditional sand/cement screeds. DCP Screed Binder Rapid is suitable for use with underfloor heating systems.

DCP Screed Binder Rapid can be used to create bonded, unbonded and floating screeds in internal applications where a rapid return to service or handover is required. Typical uses include commercial and residential projects such as schools, supermarkets and offices.

CEMFLOW PRIMER

A single component polymeric primer designed to promote the adhesion of cement based levelling compounds. It is also used as a pore sealer on absorbent surfaces to prevent air release from the sub-floor, which can cause pin - holing on the surface of the applied floor topping.

Cemflow Primer also offers excellent water resistance, durability and adhesion.



Click on the product titles to view the datasheet on the Resapol website

HOW DO I CALCULATE HOW MUCH MATERIAL I REQUIRE?



The material consumption rate is quoted on product data sheet - take this and multiply by the area of the floor (m²) and the thickness required (mm) = Kg of material needed.

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CEMFLOW SEALER

A clear, two-component, water-dispersed polyurethane matte sealer designed to protect and seal Cemflow screeds and concrete surfaces, providing an abrasion resistant, hygienic and durable floor. The application of Cemflow Sealer helps to protect the floor surface and ease maintenance by reducing the adhesion of dirt and other debris, whilst eliminating dusting.

Cemflow Sealer can also be used as a sealer over existing epoxy/polyurethane flooring systems, to improve slip and abrasion resistance, as well as provide an anti-stain matte finish. Cemflow Sealer cures by a chemical crosslinking reaction, providing durability, toughness and chemical resistance that far exceeds that of one-component acrylic or polyurethane sealers.

STRONGCOAT DPM

A two-pack, solvent free epoxy-based damp-proof membrane for use with the DCP range of surface coatings and toppings. It suppresses residual construction moisture and rising dampness in concrete and sand/cement screeds and can be used in situations where the relative humidity level is above 75%. It is applied by brush or roller in one or two coats depending on the relative humidity of the floor.

WHEN CAN I APPLY A FLOOR COVERING TO THE LEVELLING LAYER?



For normal drying products, follow the guidance of the manufacture of the adhesive/floor covering. This will generally require the floor to be below 75% Relative Humidity.

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Strength Explained by Tim Absolom

Resapol National Flooring Sales Manager

IS THE PARENT SURFACE STRONG ENOUGH?

1. Compressive Strength is defined as the capacity the floor screed to withstand loads.

Residential 20-25 N/mm² (MPa)

Commercial 25-30 N/mm² (MPa)

Industrial >30 N/mm² (MPa)

Screed manufacturers are required to declare the compressive strength class for each type of screed they produce. The letter "C" from "compressive" is followed by a number in accordance with the British Standards code of practice. Compressive strength classes for screed materials range from C5, C7, C12, C16, C20, C25... to C80, the latter being appropriate for heavy duty applications.

2. Flexural strength refers to the tensile strength of screeds and defines their ability to resist deformation under loads.

The flexural strength classes for screeds range from F1, F2, F3, F4, F5....to F50, the last one being typically recommended for heavy duty projects. This is best tested on site with a surface pull test.

The bond strength of the existing substrate

Commercial >1,0 MPa

Industrial >1,5 MPa

3. Whether it is used as underlayment for floor finish or as a wearing surface, obtaining an accurate and defined level is the main goal for any cementitious flooring system.

Levelling can be achieved by :

Manual levelling - trowel applied products are levelled using straight edge and steel floats.

Self-smoothing - flowable products applied by pumping or pouring the mixed material onto the prepared surface results in a smooth finish.

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