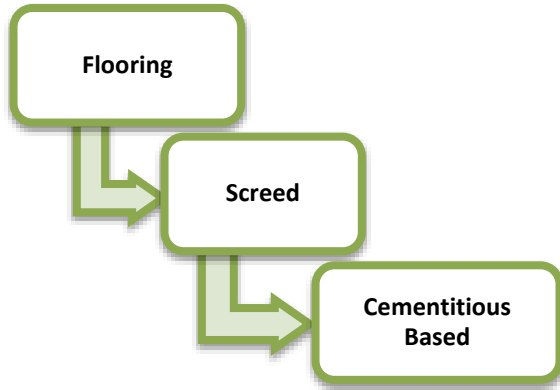


FAMILY TREE



PRODUCT DESCRIPTION

Apollo Floor CS200 is a pre-bagged trowel applied cementitious screed for use as a levelling mortar and medium duty base underlayment. The product consists of well graded sand particles, a blend of cements, additive and fibres to ensure ease of use and produce consistent quality screed.

FIELD OF APPLICATION

Area Type	: <input checked="" type="checkbox"/> Dry	<input type="checkbox"/> Semi-wet	<input type="checkbox"/> Submerged
Area Location	: <input checked="" type="checkbox"/> Underlay for carpet	<input checked="" type="checkbox"/> Underlay for tiles	<input checked="" type="checkbox"/> Underlay for vinyl flooring
	<input checked="" type="checkbox"/> Underlay for Epoxy flooring		
Substrates	: <input checked="" type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Porous Tiles	<input checked="" type="checkbox"/> Screed

Type of Applications

Apollo Floor CS200 is formulated for use as a basic screed and trowel applied levelling mortar for applications such as:

- Floor levelling prior to tiling works.
- Repair of breakage caused by mechanical and electrical fittings installations or maintenance.
- Repair of damaged plaster.
- Topping over heated flooring conduits.
- Can be installed over hard wood, metal surfaces as a base layer.

PROPERTIES

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| • Reducing dust and material loss resulting from open storage of screed raw materials. | • Saves storage space of screed mixing raw materials (sand, cement). |
| • Elimination of manual labor quality problems resulting from onsite screed proportioning. | • Very high bond strength and impact resistance. |
| • Highly impermeable and dense material. | • Flat Surface and Smooth finish. |

PREPARATION

Working Conditions	: 5° to 45°C
Tools / Equipment	: Mechanically powered mixer, plastic bucket, steel trowel, spike roller
Substrate	: All surfaces should be sound and clean from dust and foreign matter. Ridges and trowel marks should be removed by suitable mechanical means.
Priming	: Concrete substrates should be soaked with clean water for few hours. Any access water should be removed prior to priming. The concrete substrates should be primed with Apollo acrylic primer and scrubbed well into the surfaces. Apollo Floor CS200 should be applied whilst the acrylic primer is still tacky. For severe conditions or where the substrates are likely to remain damp or wet epoxy bonding agent is recommended.

This Technical Data Sheet is prepared based on extensive research and practical experience. With the varieties of the materials and conditions of application is out of our control, Apollo assumes no responsibility for the obtained results and / or damages caused by the usage of this product. Apollo Technical Service family is always available at your disposal for any advice and directions that might be required.

Joints : In general, the product shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints

MIXING

Ratio : 3.25 – 3.75 Litre of clean & fresh water /25kg.
6.5 - 7.5 Litre of clean & fresh water /50kg.

Process : Mix the contents of the bag with 6.5 - 7.5 litre for 50 kg bag and 3.25 – 3.75 litre for 25 kg bag of fresh clean water using a drum or free fall mixer for 3 - 5 minutes prior to spreading.

Points of Attention : Do not mix part bags or add extra water, as this alters the water to powder ratio and affects the final performance of the product. Do not mix material in quantities that cannot be applied within the pot life of the product Application

APPLICATION

Application Method : By steel trowel.

Thickness : Application thickness from 10mm to 50mm per single layer.

Coverage : Approximately 2.8 m² @ 5 mm thickness for 25 kg bag, Actual coverage depends on finish, porosity and texture of the substrate.

Position : The described process is suitable for vertical and horizontal applications.

Priming : Concrete substrates should be soaked with clean water for few hours. Any access water should be removed prior to priming. The concrete substrates should be primed with Apollo acrylic primer and scrubbed well into the surfaces. Apollo Floor CS200 should be applied whilst the acrylic primer is still tacky. For severe conditions or where the substrates are likely to remain damp or wet epoxy bonding agent is recommended.

Process : Mixed Apollo Floor CS200 should be applied on the primed substrates whilst the primer is still tacky. The mixed mortar shall be spread evenly by trowel and tamped well in place with wooden float at a thickness of 10 mm - 50 mm in single application. Greater thickness can be achieved by application of multiple layers. Apollo Floor CS200 shall be finished with steel trowel to achieve the required smoothness and to fully close the surface.

Curing : Curing is not required in normal conditions, but in harsh climatic conditions like direct sunlight, flow of wind, elevated temperatures, etc.; freshly hardened concrete surfaces should be cured with damp Hessian or to be covered with polyethylene sheets.

Cleaning : All tools / equipment shall be cleaned immediately after use with water. Hardened materials should be cleaned mechanically.

PACKING

Standard Package : Apollo Floor CS200 available in 25&50 Kg bags.

Custom Package : Special packages can be arranged for large requirements

How to Order : Specify the Product Name followed with a hyphen and package size

STORAGE CONDITION

Shelf Life : 9 months from the date of manufacturing

Temperature : 2°C and 50°C

Points of Attention : Store in shaded area and properly sealed in its original packing

TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Standard	ASTM C109, ASTM D4541, BSEN 12350-6, BS 6319-3 & BS 6319-7	
Testing Conditions	Tests were carried out in Apollo R&D laboratory @ 25°C	
Component	Single component	

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Form		Powder
Colour		Grey
Fresh Wet Density		2.2 ± 0.01 g/cm ³
Maximum wear depth	BS EN 13892-4	0.095mm
Working time		0.5 - 1 hr @ 25°C
Maximum grain size		3 mm
Compressive Strength	EN 13892-2	1 Day 15 MPa 7 Days 25 MPa 28 Days 35 MPa
Flexural Strength	EN 13892-2	> 6 MPa

ATTENTION

PPE : It is recommended to use full PPE while working with the product to avoid any possibility of irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

Hazardous Classification : Hazardous transportation.

Fire : Non-flammable.

APOLLO AT THE GLANCE

Apollo is confident with the technical solutions and high quality end products served to the customers.

Apollo invites you to explore other services and products:

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|--|--------------------------------------|--------------------------------------|
| • R&D and manufacturing custom solutions | • Adhesives | • Bonding Agents Systems |
| • Building Finishing Systems | • Concrete Admixture | • Concrete Repair Systems |
| • Flooring Systems | • Grouts & Anchoring Systems | • Painting & Putty Systems |
| • Protective Coatings | • Sealant & Jointing Solutions | • Structural Strengthening Solutions |
| • Surface Treatment Solutions | • Tile Adhesive & Grouting Solutions | • Waterproofing Systems |