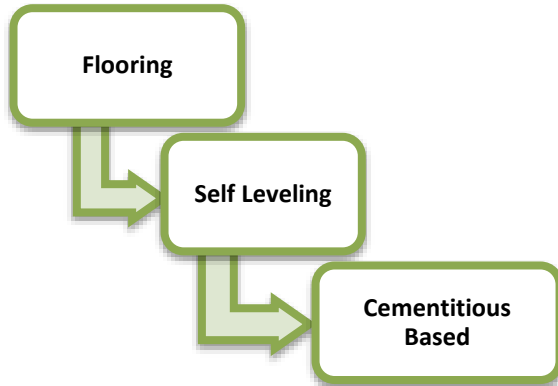


FAMILY TREE



PRODUCT DESCRIPTION

Quick Level LV is supplied as a pre-blended dry powder designed for application between 2 mm to 15 mm application.

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

Quick Level LV is designed as a self-smoothing suitable for use as a cementitious floor topping as a good wearing surface and underlayment for many types of floor finishes such as Vinyl sheeting, carpeting, rubber sheet and tiles.

PROPERTIES

- | | |
|---|--|
| <ul style="list-style-type: none"> • Flat Surface and Smooth finish. • Very high bond strength and impact resistance. • Highly impermeable and dense material. | <ul style="list-style-type: none"> • Fast laying, up to 500 m2 per day. • Fast setting. • Fast repairs of uneven concrete floors. |
|---|--|

PREPARATION

Working Conditions	: 5° to 45°C.
Tools / Equipment	: Mechanically powered mixer, plastic bucket, steel trowel, spike roller
Substrate	: Surfaces to be laid must be clean, sound, dry, and free of mould release agents, bond breaking coatings, curing compounds or any other form of contamination. Mechanical means like shot blasting, scarifying, wire brushing, grinding, chipping followed by washing with clean water can be adopted. Remove any loose, weak concrete. Refurbish such areas with suitable repair material. Ensure that the surfaces are left in a rough condition. Cut all edges at right angles. The substrate should be saturated with water prior to priming. Newly placed concrete should have been cured sufficiently to attain its design strength and limit further shrinkage. Concrete floors must be at least 21 days old prior to application. The surface tensile strength of the substrate should be a minimum 1.5 N/mm ² .
Priming	: The application of the primer is to seal the substrate to prevent release of air from the substrate. Application on to sand/cement screeds, concrete, and other porous substrates, first seal the prepared surface by applying one coat of Apollo Acrylic Primer. Prime the sealed surface by applying a further coat of Apollo Acrylic Primer brush well in to the surface. The primer must be allowed to dry before the application of Quick Level LV.
Joints	: In general, the product shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints

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.

MIXING

Ratio	: (4.00-4.25) Litre of clean & fresh water.
Process	: Use a power-whisk fitted in a heavy-duty slow speed electric drill. Mix in the proportion of 25 kg of powder to 4.00 - 4.25 litre of potable water. Total mixing time must not be less than 3 minutes. Ensure that sufficient labor is available to enable. Continuous mixing and pouring. Place the Quick Level LV. within 2 minutes of completion of mixing.
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 2mm to 15mm per single layer.
Coverage	: Approximately 2.8 m ² @ 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	: The application of the primer is to seal the substrate to prevent release of air from the substrate. Application on to sand/cement screeds, concrete, and other porous substrates, first seal the prepared surface by applying one coat of Apollo Acrylic Primer and allow to dry. Prime the sealed surface by applying a further coat of Apollo Acrylic Primer and brush well in to the surface. The primer must be allowed to dry before the application of Quick Level LV.
Process	: Pour or pump the mixed material onto the prepared surface spread with trowel and allow to level, and allow to attain a smooth finish. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines. Do not over roll. Apply at a thickness between of 2 - 15 mm in one pass only. To reduce the formation of seam lines, freshly mixed Quick Level LV should be placed within 6 minutes of the previous adjacent batch being poured. Best results are achieved when the pouring and levelling are a continuous process. It is always better to work in manageable sections of approximately 20 m ² . Note: If the mixing batch stiffens, it should be discarded, do not remix it with water. Note: <ul style="list-style-type: none"> • Don't place when the substrate temperature is below 5°C or when the ambient temperature is 5°C and falling. • Don't exceed the recommended water content and only use potable water. • This product is not recommended for external use or situations where water may come into direct contact with the cured material. • For hot climate conditions (temperature > 35°C), special procedures should be conducted. • The material should not be used on floors where rising damp is valid, unless a suitable primer is used. • Cool water is advised for mixing (temperature around 20°C or low). • Freshly laid Quick Level LV should be protected from direct sunlight and strong drying winds until the material is hard. • Quick Level LV should not be used on new concrete lower than 14 days old. • Application should not be done if the temperature of the substrate is below 5°C. • The material should not be applied on floors known to have problems from rising damp.
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.

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PACKING

Standard Package	: Quick Level LV available in 25 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
Form		Powder
Colour		Grey
Fresh Wet Density		2.10 ± 0.05 g/cm ³
Flow properties using 35 cc flow ring: ISO 554		Initial ≥ 130 mm After 15 min ≥ 120 mm
Workability		15 - 20 min
Traffic Time		Foot traffic after 3 hrs Vehicle traffic after 24 hrs
Compressive Strength	ASTM C 109	1 Day 2 N/mm ² 7 Days 10 N/mm ² 28 Days 35N/mm ²
Flexural Strength	BS 6319 – 3	2N/mm ² at 7 Days 6N/mm ² at 28 Days
Tensile Strength	BS 6319 – 7	> 2 N/mm ² at 28 Days
VOC		< 10 g/ltr

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:

• 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