

PRODUCT DATA SHEET

DINGO FLOOR LEVELLER

High Early Strength, Cement Based Floor Leveller for Internal and External Use



Description:

Dingo Floor Leveller is a cement based, high early strength mix, designed for levelling internal and external floors. Dingo Floor Leveller has properties similar to concrete and it can be feathered to a 2mm edge. Using clean water, Dingo Floor Leveller will reach a very fluid consistency, that will leave the surface level, smooth and hard. For thicker applications, Dingo Floor Leveller can be applied in layers with each layer being no more than 25mm thick, max overall thickness being 75mm.

Product Uses:

<ul style="list-style-type: none"> Internal and External floors as underlayment 	<ul style="list-style-type: none"> Suits domestic and commercial applications
<ul style="list-style-type: none"> Ready to use – just add water 	<ul style="list-style-type: none"> Suitable for use in wet areas

Product Advantages:

<ul style="list-style-type: none"> Walk on in 4 hours 	<ul style="list-style-type: none"> High bond strength and high early strength
<ul style="list-style-type: none"> Excellent flowability for easy screeding 	<ul style="list-style-type: none"> Layered Application up to 75mm thickness
<ul style="list-style-type: none"> Precise 2mm Feathering 	<ul style="list-style-type: none"> Smooth and Hard Finish

Product Data:

Form/Colour	Powder / Grey
Packaging	20 kg bags
Composition	Sand, cement, gypsum, aluminate cement
Shelf life	12 months if stored properly in unopened, original packaging
Storage conditions	Dry, cool, shaded place
Density	1.6 kg/ltr (bulk density of powder) 2.15 kg/ltr (density of fresh leveller)

Maximum grain size	Dmax: 01 mm
Mixing ratio	4.0 – 4.4L of clean water per 20kg bag.
Yield	20kg bag of Dingo Floor Leveller will yield approximately 0.01m ³ and cover approximately: <ul style="list-style-type: none"> • 6.5m² at 2mm thickness. • 4.33m² at 3mm thickness.
Layer thickness	2mm to 25mm thickness in one layer. Max overall thickness is 75mm.
Flowability	300 – 340mm
Ambient air temperature	Do not use when temperatures are below 5°C or above 35°C.
Substrate temperature	+5 °C min. / +35 °C max.
Pot Life	15 minutes at 20 °C
Return to Service	Floor coverings can be laid within 2-3 days (a moisture test should be carried out to ensure the leveller has dried out).

Technical Data:

1. Compressive strength	Test method: ASTM C191 1 day 14-16 MPa 3 days 20-22 MPa 7 days 22-25 MPa 28 days 25-30MPa
2. Splitting tensile strength	Test method: AS4992:2004 1 day 1.5 MPa 2 days 2-2.5 MPa 3 days 2.5 MPa Final > 3 MPa
3. Flexural Strength	Test method : ASTM C348-14 28days ~ 08mpa
4. Set time	Test method: ASTM C191 Initial set time 30 - 40 minutes Final set time 60 - 75 minutes



Application Instructions:

<p>Surface Preparation</p>	<ul style="list-style-type: none"> Surfaces must be structurally sound and clean. Ensure the surface is free of all contaminants including dirt, dust, oil, grease, latex compounds, glue, paint, gypsum-based products etc. Contaminated substrates must be ground back to a clean surface. Any large cracks and holes should be patched with a suitable concrete repair mortar before using Dingo Floor Leveller. Construction joints in the sub-floor should be carried through the Self-Leveling Cement to avoid cracking. All concrete sub-floors must be fully cured and dry and have a wood float finish. If the sub-floor has a high moisture content or subject to rising damp, apply an epoxy moisture barrier. Non-porous surfaces must be primed with an epoxy moisture barrier, or acid etched, or mechanically abraded to ensure the Self-Leveling cement has a rough surface to bond to. It is essential to prime the surface with a suitable primer before applying Dingo Floor Leveller. This will improve adhesion and greatly reduce pin holing in the finished floor. Where the temperature is above 28°C, it is crucial to wet down any concrete slabs with clean water before priming. Before applying the primer, ensure the floor has no pools of water and has a low sheen appearance.
<p>Mixing</p>	<ol style="list-style-type: none"> Dingo Floor Leveller must be mixed using a heavy-duty electric drill (Mixing drill should be set to maximum 600rpm) and paddle attachment. This will ensure you have a smooth mix. Do not use a concrete mixer or mix by hand. These are not suitable mixing methods. Add approximately 4.0L to 4.4L of clean water to a clean bucket and then slowly add the 20kg bag of Dingo Floor Leveller. Less water may be required for colder temperatures. Mix for at least 2 minutes, allow the mix to sit for 2 minutes and continue to mix for a further 2 minutes until you have a smooth, lump free consistency. <p>Note: If foaming and streakiness appear on top of the mixture, Dingo Floor Leveller is over-watered, and should not be placed on the substrate. More powder may be added immediately whilst mixing to achieve proper consistency. Do not mix more material than cannot be used in 10 to 15 minutes.</p> <p>LARGE AREAS</p> <p>Large areas requiring fills between 25-100mm, use MaxPRO Concrete Mix or Dingo Hi Strength Concrete Mix. If using Dingo Hi Strength Concrete Mix add reinforcing steel if fill is more than 25mm. Ensure you attach the new concrete to the old concrete using pins.</p>

	<p>HIGH STRESS AREAS</p> <p>When being used in high stress areas (for example over heated sub floors or in wet areas), Dingo Floor Leveller must be used with an acrylic additive. Generally, this is 1 part acrylic additive to 2 parts water, however, follow the directions on the acrylic additive packaging. Add approximately 5L of this mix to a 20kg bag.</p> <p>PUMPING</p> <p>If pumping, mix in an appropriate pre-pump mixer. Do not mix more material than can be used in 10-15 minutes. Mix speeds must not be too high, otherwise it will cause aeration. Clean mixers and pumps thoroughly after each batch to avoid material buildup.</p>
<p>Application</p>	<ol style="list-style-type: none"> 1. Pour Dingo Floor Leveller on to the primed surface. 2. Move it into approximate position with a long-handled squeegee and allow the material to find its own level. <p>Application notes:</p> <ul style="list-style-type: none"> • A test should be performed in all cases to ensure suitability of this product. • Dingo Floor Leveller may be layered up to 25mm. An additional layer may be applied directly over the surface as soon as it will support foot traffic – approximately 4 hours. • Any material over 20 minutes old should not be used and should be disposed of. • Do not use Dingo Floor Leveller over a slab with a high moisture content or that is subject to rising damp unless a suitable epoxy barrier is used prior. • Do not use when temperatures are below 5°C or above 35°C. Do not apply if temperatures are expected to reach these levels within 24 hours of application. • Do not use Dingo Floor Leveller in applications where the product will be constantly under water. <p>Dingo Floor Leveller is not to be used as a final flooring finish. Do not apply Dingo Floor Leveller over frozen or frost filled surfaces.</p>
<p>Curing treatment</p>	<ul style="list-style-type: none"> • Dingo Floor Leveller must cure 24 hours at 20°C before any floor coverings are installed. • Ensure that the surface remains visible and shield it from drying out prematurely, particularly if the application is outdoors. Ensure the product is protected from direct sunlight and high winds to prevent the product losing moisture too quickly.
<p>Cleaning of equipment</p>	<p>After use, promptly clean all tools and application equipment with water. If the material hardens, it can only be removed through mechanical means.</p>