



PRODUCT DATA SHEET

DINGO DEEP VOID GROUT



Dingo Deep Void grout stands out as a top-quality option for your grouting needs. Unlike regular cement grouts that often shrink, this product has been formulated to expand in two stages ie. The plastic state (Class A) as well as the hardening state (Class C). It's a perfect fit for voids that are up to 500mm in depth which require filling. By blending Portland cement with carefully chosen materials, it creates a strong and consistent mix that gains impressive strength quickly.

Product Uses:

<ul style="list-style-type: none"> Grouting or pouring concrete in large volumes as well as filling joints between tilt slabs and precast panels 	<ul style="list-style-type: none"> Securing anchor bolts
<ul style="list-style-type: none"> Filling of voids within hollow brick constructions 	<ul style="list-style-type: none"> Creating columns in precast construction projects
<ul style="list-style-type: none"> Constructing foundations for machinery 	<ul style="list-style-type: none"> Installing pads for bridges to rest on

Product Advantages:

<ul style="list-style-type: none"> Boasts excellent flow properties. 	<ul style="list-style-type: none"> Exhibits strong initial strength and reaches maximum MPa at 28 days.
<ul style="list-style-type: none"> Compensates for shrinkage effectively 	<ul style="list-style-type: none"> Free from chlorides; won't induce rust, seep, or damage metal upon contact
<ul style="list-style-type: none"> Viscosity of product mix can be adjusted to suit a pouring application or a pumping application 	<ul style="list-style-type: none"> Doesn't cause corrosion in steel or iron.
<ul style="list-style-type: none"> Compliant with AS 1478.2 standards 	<ul style="list-style-type: none"> Demonstrates good resistance to impacts and temperature variations



Product Data:

Form/Colour	Powder/Grey
Available in	10 kg bags
Product mix	Cement, selected aggregates, and special additives
Shelf life	12 months if stored properly in unopened, original packaging
Storage requirements	Store in a cool, dry and sheltered area, away from harsh weather conditions.
Mixing ratio	1.2 – 1.4 liters of clean water per 10kgs bag
Yield	10 kg of powder yields approximately 5.25L of grout
Density	1.60 kg/ltr (bulk density of powder) 2.20 kg/ltr (density of fresh grout)
Application depth	20mm Min – 500mm Max
Pot Life	30 minutes at 20°C
Initial Set	4 Hours at 27°C
Final Set	4.5 Hours at 27°C

Technical Data:

Compressive strength	1 day ≥ 15 MPa 3 days ≥ 35 MPa 7 days ≥ 50 MPa 28 days ≥ 75 MPa
Splitting tensile strength	28 days ≥ 6 MPa
Electrical resistivity	7 days - 16,000 Ω.cm 28 days - 35,000 Ω.cm 56 days - 45,000 Ω.cm
Flowability	320 mm (Flow through)
Application temperature	5 °C Min - 35 °C Max
Surface temperature	5 °C Min - 35 °C Max
Grain size	Dmax: 4.0 mm



Product Application:

<p>Surface Preparation Instructions</p>	<p>Removal of damaged, weak or deteriorated concrete is essential to creating a sound foundation and should be done so using suitable methods. Concrete must be free of all contaminants such as dust, loose particles or any substances that might impede bonding or hinder the ability to absorb repair materials.</p> <p>For optimal results, pre-soak the surface for more than 2 hours before application to reduce the absorption of the substrate. Remove any freestanding water that may be left on the surface before grouting.</p> <p>For steel reinforcement applications, remove all materials that could reduce the bonding process or cause further corrosion, such as concrete and mortar remanence, scale and rust. Utilizing high-pressure water-blasting or sandblasting techniques for removal will provide the strongest bond possible.</p>
<p>Mixing Instructions</p>	<p>Gradually add the powder to the pre-measured water (starting with the minimum water amount) to achieve the desired consistency. Mechanically blend the mixture at a slow pace for a minimum of 3 minutes using a low-speed electric drill (maximum 500 revolutions per minute) with a disc agitator attached, until it reaches a smooth texture. Alternately, you can use mixing equipment like a two-armed mixer or a forced-action basket/pan-type mixer. It's important to note that this product should NOT be mixed by hand. If the mixture isn't to the desired consistency, additional water can be added but be sure not to overwater the mixture. Only add the max amount of water that is recommended.</p> <p>Note: It is recommended to mix a small test batch to confirm the optimal mix ratio for working consistency based on current environmental conditions, particularly temperature. Warmer conditions will cause the mix to harden quicker than in cooler conditions.</p>
<p>Application Instructions</p>	<p>In either application listed below, minimizing aeration is key to the product's end performance and integrity. Before applying Dingo Deep Void Grout, temporarily shut down any nearby machinery or equipment that will cause vibration to the area until it reaches initial set.</p> <p>For pouring applications: Dingo Deep Void Grout should be poured into watertight, leakproof framework with a suitable header box to maintain a continuous flow of grout and maintain as little force as possible into the mixture.</p> <p>For pumping applications: When using a pump to apply Dingo Deep Void Grout, you'll need to determine</p>



	<p>the pump is suitable for grout that can handle aggregates or grain sizes of up to 4mm in the mix. Another consideration to make is the distance and height that the pump will need to reach. We highly recommend the use of a positive displacement pump. Always start pumping into the section that is the furthest away and fill gradually from left to right, bottom to top, avoiding air entrapment as much as possible.</p>
Curing Instructions	<p>Ensure that the surface remains visible and protect the area from drying out at a rapid rate. Keep it moist, cover it with damp hessian, periodically spray it with water or use a curing compound as needed.</p>
Clean-Up Instructions	<p>Immediately remove all wet material from mixing vessels and tools using clean water before product hardens.</p>