



R-GROUT 108

PRODUCT CODE : 715

NON SHRINK, EXPANDING POURING GROUT

DESCRIPTION

R-GROUT 108 is Cement based flowable, two stage expanding grout with selected aggregate.

USES

- To grout bearings, machine foundations, columns joints in precast construction etc.
- To grout anchors in concrete
- To grout cavities, gaps and voids in concrete

ADVANTAGES

R-GROUT 108 offers the following advantages:-

- Easy to use (ready to mix powder)
- Easy to mix, only add water
- Adjustable consistency
- Very good flow characteristics
- Rapid strength development
- High final strengths
- Expands by gas generation whilst in the plastic state of curing
- Impact- and vibration resistant
- Non-corrosive
- Not flammable, non-toxic
- Shrinkage compensated

TECHNICAL INFORMATION

Compressive Strength	Ambient temperature: +30°C	(According to ASTM C109, 70mm Cube)
Curing Time	1 day	= 15 N/mm ²
	3 days	= 25 N/mm ²
	7 days	= 35 N/mm ²
	28 days	= 50 N/mm ²
Splitting tensile strength	= 3.5 N/mm ² (28 days, +35 °C)	
Tensile Strength in Flexure	Ambient temperature: +30°C	(According to ASTM C 293)
	7 days	= 4 N/mm ²
	28 days	= 5 N/mm ²

APPLICATION

Mixing Ratio	Flowable	Water : Powder = 0.15 to 0.16 by weight	4.5–4.8 litres water per 30 kg bag
	Pourable	Water : Powder = 0.14 by weight	4.2 litres water per 30 kg bag
Consumption	2000–2300 kg/m ³ (at water to powder ratio 0.14 - 0.16)		
Layer Thickness	20 mm min. / 100 mm max.		
Ambient Air Temperature	+5 °C min. / +40 °C max.		
Substrate Temperature	+5 °C min. / +40 °C max.		
Pot Life	~20 minutes at +30 °C		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

CONCRETE, GROUT, STONE:

The substrate shall be thoroughly clean, free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wet-ting by the grout. Delaminated, weak, damaged and deteriorated concrete and where necessary sound concrete shall be removed by suitable means. The concrete "pull off" tensile strength should be = 1.0 MPa.

STEEL, IRON:

Clean, free from oil or grease, rust and scale etc.

PREPARATION :

The concrete substrates should be pre-soaked with clean water continuously for 2–6 hours to ensure a saturated surface dry condition throughout the operation. Immediately before pouring grout remove all excess or standing water from within any formwork.

MIXING

Mix grout powder mechanically in the correct ratio with water with low speed (max. 500 rpm) electric drill to avoid entraining too much air. Put around 80 to 90% of required water in the mixing drum, followed by RGrout 108, mix for around 3 minutes and then add the balance water. Dependent on the desired consistency and flow properties, the mixing ratio can be adjusted. Do not mix more grout, which cannot be used within Pot life.

DO NOT ADD EXTRA WATER.

APPLICATION

Pour grout immediately after mixing into the prepared openings. Ensure that air displaced by the grout can easily escape, otherwise entrapped air will prevent full contact grouting. Wet porous substrates to saturated surface dry condition.

When grouting base plates etc., ensure that a continuous and sufficient head of pressure is maintained to keep the grout flowing. To make optimum use of the products expansion properties, apply the grout as quickly as possible (within max. 15 minutes).

CURING TREATMENT

Keep visible exposed grout surfaces to a minimum. Protect the fresh material from premature drying using appropriate curing method e.g. curing compound, moist textile membrane, polythene sheet etc.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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Manufactured in INDIA by
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ADMN.OFFICE: 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-103
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS
E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com

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