



A Non-shrink Cementitious Grout

Description

DuragROUT is a ready to use, shrinkage compensated, non-metallic cementitious grout for all general purpose grouting. **DuragROUT** is a dry powder product requiring only the addition of water and provides extended working life with high ultimate strength.

Uses

DuragROUT is recommended for

- Machine base plates
- Bridge bearing plates
- Structural beams/columns
- Anchor bolts and bars
- Underpinning
- Tilt up panels
- Patch repair works

Advantages

- Self levelling and flowable
- High ultimate strength
- Shrinkage compensated in both plastic and hardened phases
- Chloride free
- Low water-cement ratios
- Ready to use
- Compatible with structural concrete

Instruction for Use

Mixing

DuragROUT should be thoroughly mixed to the desired consistency by varying the amount of water used. The amount of water required for a 25 kg bag is approximately as shown below.

Slowly add the grout to the measured water while mixing with a low speed (400 RPM.) mixer fixed with a suitable paddle.

<i>Consistency</i>	<i>Water litres/25 kg Bag</i>	<i>Yield</i>	
		<i>Litres/25 Kg Bag</i>	<i>Bag/m³</i>
Trowellable	3.5	12.6	79
Flowable	4.5	14.0	72

Water addition may be affected by temperature condition on site. Mixing should continue until the grout has a smooth, lump free, homogeneous appearance. This will normally be between 3-5 minutes after mixing has started.

Application:

Prepare strong, properly braced and oiled forms to retain the grout and provide relief holes if needed. The formwork should include outlets for the pre-soaking water to be removed and for air to be released during grouting.

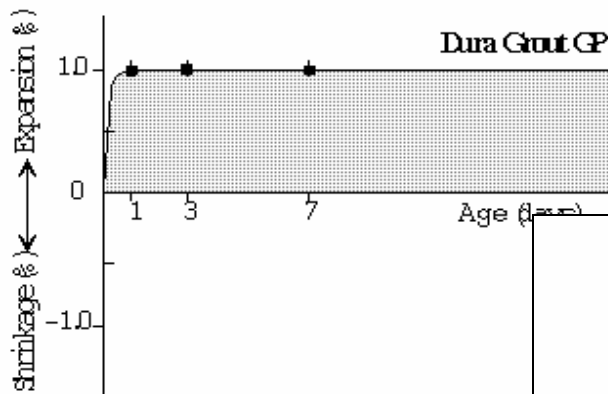
For best results, once mixing and placing the grout has begun, it should be a continuous operation and do not mix more grout than can be placed within 20 minutes.

All substrates should be free from oil, grease, laitance and loose material. If the concrete surface is loose or defective, it should be cleaned to a sound base. Clean thoroughly with water, leaving concrete saturated, but free of standing water.

Minimum gap is 10 mm. For large cavities fill, washed aggregate with maximum size 10 mm. can be added to **DuragROUT** at 30-50% by weight. Round aggregates are preferable. Vibration to ensure good compaction is also recommended.

Curing:

DuragROUT should be cured for a minimum of 3 days with wet hessian followed by application of Duracure WB water based concrete sealer or polythene sheet. Failure to prevent early moisture loss, can result in plastic cracking, drying shrinkage and a reduction in ultimate strength development.



If a square shoulder is required, it should be formed before the grout has reached its final set. Carefully remove the formwork once the **DuragROUT** is self supporting and cut the shape of the shoulder with a trowel.

Preferable the shoulder should be cut to a 45° angle to minimize stressed.

Cleaning

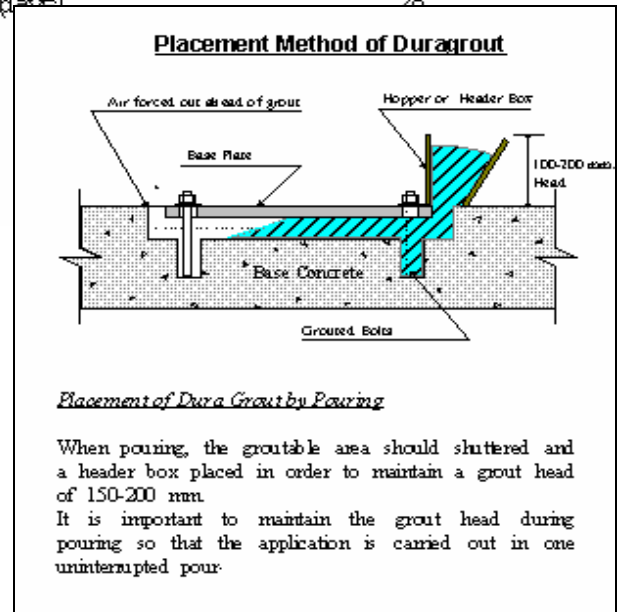
Clean tools and equipment immediately after use with water, otherwise mechanical cleaning will be required.

General Data

Form/Color	Power/Grey
Dry Density	Approx. 1.4 kg/litre
Packaging	25 kg./ bag
Shelf Life	6 months if unopened

Technical Specification

Consistency	JIS-Cone (Sec.)	Compressive Strength (N/mm ²)		
		1 day	7 days	28 days
Trowellable	-	30	46	62
Flowable	10-12	24	40	55



Note: The figures quoted for work time, set time, yield and strength development are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavor to provide typical figures for use as a guide.

Safety Precautions

DuragROUT is non-toxic, but is alkaline in nature. Gloves should be worn. Splashes of grout to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Keep contents away from children.

**SUPERCEDE DU-GROUT 03/97
DUR-GROUT 1/00**



The company provides good servicing from a team of dedicated specialists in the field. When used in accordance with its current published directions they will perform as described in this catalogue. Company will not be responsible for difficulties caused by other materials, conditions or interior workmanship. We reserve the right to determine the cause of any difficulty by our accepted test methods.

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