

**Multi-Purpose High Strength Flowable Shrinkage Compensated Grout**



**webertec NSG 123** is a multi-purpose, high strength, flowable, shrinkage compensated grout. Pre-mixed grout designed for dry pack and plastic consistency. Chloride free and good fluid consistency.

**PRODUCT  
BENEFITS**



**FOR MACHINE  
APPLICATION**



**ADD  
WATER**



**EXCELLENT  
DURABILITY**

**USES**

- Under columns, base plates and machinery grouting not subjected to heavy impact & vibration.
- Grout jacking of concrete structure.
- Repair of concrete structure.
- Void backfilling in tunnel works.
- Underpinning of buildings.
- Permanently anchoring posts, signs, railings, columns and other fixtures in concrete, rock or masonry.
- Pile grouting.

**TECHNICAL DATA & PHYSICAL PROPERTIES**

<b>Colour</b>	Grey
<b>Density</b>	~2200 kg/m <sup>3</sup>
<b>pH of mix</b>	Approx. > 10
<b>Shelf Life</b>	12 months
<b>Inflammability</b>	No
<b>Toxicity Hazard</b>	No
<b>Water Demand</b>	3.75 liters - 15% (Flowable)
<b>Yield</b>	12.9 liters / 25 kg bags (Flowable) Approx. 70 bags per cubic
<b>meter</b>	
<b>Pot Life (Working Time)</b>	Approx. 30 minutes at 40°C
<b>Application Temperature</b>	Between 5°C - 40°C at normal ambient temperature
<b>Temperature Resistance</b>	100°C
<b>Water Resistance</b>	Good
<b>UV Resistance</b>	Good
<b>Resistance to acids</b>	Poor
<b>Resistance to alkalis</b>	Fair
<b>Resistance to oil &amp; solvents</b>	Fair
<b>Compressive Strength</b>	> 29 N/mm <sup>2</sup>
<b>1 Day water cured at 23°C</b>	
<b>EN 12190</b>	
<b>Compressive Strength</b>	> 50 N/mm <sup>2</sup>
<b>7 Days water cured at</b>	
<b>23°C EN 12190</b>	
<b>Compressive Strength</b>	> 80 N/mm <sup>2</sup>
<b>28 Days water cured at</b>	
<b>23°C EN 12190</b>	

**Multi-Purpose High Strength Flowable Shrinkage Compensated Grout**

**FEATURES AND BENEFITS**

- Expansion system compensate for shrinkage and settlement whilst in the plastic state.
- Can be prepacked, rammed, troweled & poured.
- High early strength and long-term durability.
- Initial setting time less than 5 hours to improve on-site productivity.
- Chloride free to prevent rusting of steel and anchor bolts.
- Pre-mixed grout, require only addition of water.

**PREPARATION**



- The substrate should be clean and sound. Free from any contamination including oil, grease, laitance and dust. For maximum bonding, the surface should be roughened and dampen with clean water.
- Immediately prior to grouting, remove free standing water.
- Metal surface must be free from rust, scale, oil or grease.
- Ensure voids and cavities are free from dust, water or any loose materials. Formwork should be well sealed to prevent leakage.

**MIXING**



- Mix a bag of **webertec NSG 123** with 3.75 liters of clean water (15%)
- For optimum results **webertec NSG 123** must be mixed for approximately 3 - 7 minutes by an electric mixer with high shear stirrer.
- Machine mixing is recommended to achieve continuous mixing effects.
- Place about 70 - 80% of pre-measured clean water into a clean container and gradually add the whole bag of **webertec NSG 123** into it while continuously mixing. Add the remaining water until the desired consistency is achieved.

**APPLICATION**



- After mixing, stir lightly the mixture with spatula for a few seconds to release the entrapped air. The grout is then poured immediately into the prepared formwork.
- When pouring, the area to be grouted should be shuttered.
- Pour grout from one side until exceeding from another side. Grouting should be applied continuously for uninterrupted grout flow.
- Recommended pour should not exceed 100mm thickness per pour. For thickness in excess of 100mm, subsequent pour is required.
- After finishing of grouting, remove the unnecessary excess materials before the grout harden.
- It is essential that the ambient temperature should be between 5°C - 40°C and the grout is placed within 30 minutes after mixing.
- The grout is designed for void filling where adequate surface restraint can be provided.

Note : It is the responsibility of users / applicators to determine condition & suitability of all surfaces; prior to actual application.

**CURING**

The exposed area should be covered with we hessian or plastic sheet to prevent excessive moisture loss.

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**PACKING**

Available in 25 kg bags.

**SHELF LIFE / STORAGE**

At least 12 months; when stored in dry conditions of normal ambient temperature.

**TECHNICAL SERVICES**

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

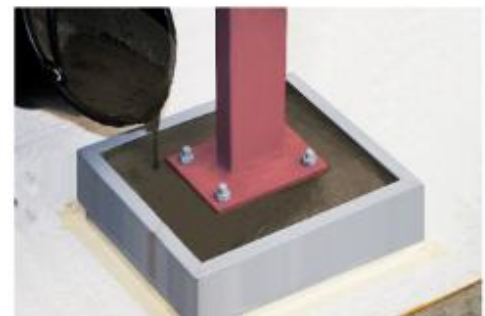
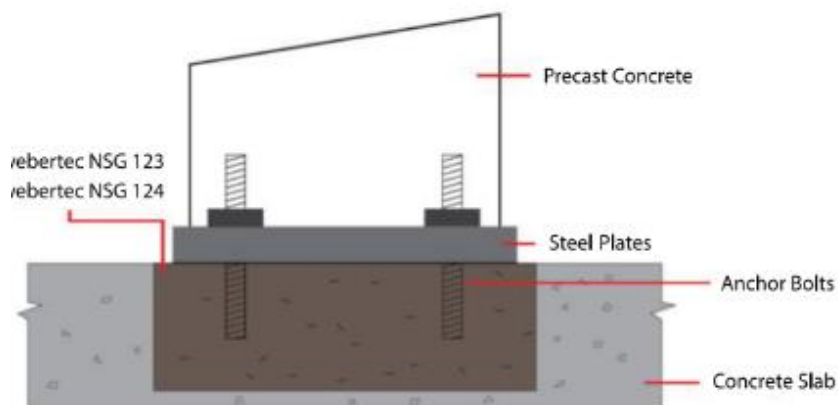
**PRECAUTION**

Do not add water above the recommended stated dosage.

- Use only clean (potable) water.
- Non-Toxic. However, avoid inhaling dust.
- If enter eyes wash out with water and seek medical attention.
- Keep away from children reach.
- May cause minor irritation to those with sensitive skin. Wear suitable gloves.
- Clean all tools and equipment promptly before material hardens. Hardened materials can only be removed mechanically.

**Conditions Of Sales**

Sold subject to Company's Condition of Sale, which is available upon request.



\*Note Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain Weber (M) Sdn Bhd reserves the rights to amend the contents of the data sheet at its sole discretion. (Aug '24)



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