

DESCRIPTION :

A high strength, high flowable (fluid), shrinkage compensated grout. Pre-mixed grout, pumpable and designed also for dry pack & plastic consistency. Chloride free and high fluidity consistency.

USES :

- Under columns, base plates and machinery not subjected to heavy impact; but able to withstand dynamic loadings or vibration.
- Suitable for pressure grouting (pumpable).
- Grout jacking of concrete structure.
- Repair of concrete structure.
- Void backfilling in tunnel works.
- Underpinning of buildings.
- Grouting of bridge bearing plinth.
- Permanently anchoring posts, signs, railings, columns and other fixtures in concrete, rock or masonry.
- Pile grouting.

FEATURES AND BENEFITS :

- Expansion system compensates for shrinkage and settlement whilst in the plastic state.
- Very good flow characteristics.
- Can be prepacked, rammed, troweled, poured and pumped.
- High early strength and long term durability.
- Initial setting time up to 9 hours; to facilitate pressure grouting.
- Chloride free to prevent rusting of the steel and anchor bolts.
- Pre-mixed grout, require only addition of water.

PREPARATION :

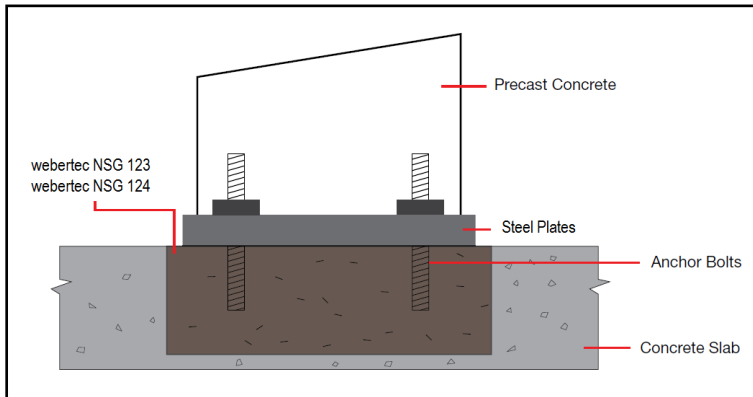
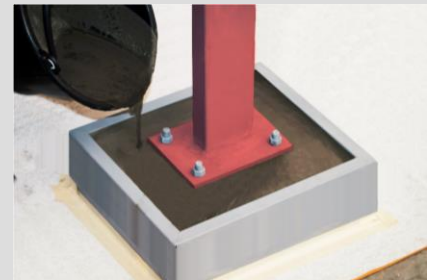
- The substrate should be clean and sound. Free from any contamination including oil, grease, laitance and dust. For maximum bonding, the surface should be roughened and dampen with clean water.
- Immediately prior to grouting remove free standing water.
- Metal surface must be free from rust, scale, 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 124 with 4.50 liters of clean water (18.0%)
- For optimum results webertec NSG 124 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 124 into it while continuously mixing. Add the remaining water until the desired consistency is achieved.

TECHNICAL DATA

Colour	: Grey
Density	: ~2200 kg/m ³
pH of mix	: Approx. >10
Shelf Life	: 6 months
Inflammability	: No
Toxicity Hazard	: No
Water Demand	: 4.00 liters – 16.0% (Pourable) : 4.50 liters - 18.0% (Flowable)
Yield	: 12.7 liters / 25 kg bags (Pourable) : 13.4 liters / 25 kg bags (Flowable)
Pot Life (Working Time)	: Approx. 60 minutes
Application Temperature	: Between 5°C - 40°C at normal ambient temperature
Temperature Resistance	: 100°C
Water Resistance	: Good
UV Resistance	: Good
Resistance to acids	: Poor
Resistance to alkalis	: Fair
Resistance to oil & solvents	: Fair
Compressive Strength 1 Day water cured at 23°C EN 12190	: > 25 N/mm ²
Compressive Strength 7 Days water cured at 23°C EN 12190	: > 55 N/mm ²
Compressive Strength 28 Days water cured at 23°C EN 12190	: > 70 N/mm ²



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 wet hessian or plastic sheet to prevent excessive moisture loss.

PACKING :

Available in 25kg bag.

SHELF LIFE / STORAGE :

At least 6 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 :

All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

MARKETING OFFICES :

SAINT-GOBAIN WEBER (M) SDN BHD (169772-A)

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CERTIFIED TO MS ISO 9001 : 2000
CERT NO. CI/3693

Conform To :

BS 5980 : 1980
ANSI A118.4 : 1992
BS 5385 ; Part 1 – 4
EN ISO 13007-1

Member Of :

- FMM, Malaysia
- MCIG, Malaysia
- MBAM, Malaysia
- MGBC (Malaysia Green Building Confederation)
- SIRIM Working Group – MS 1294 & MS 1295

