

TECHNICAL DATA SHEET

NIPPON SUPERFILL 239

Description	NIPPON SUPERFILL 239 is a mortar, commonly known as a premium grout specifically designed for both interior and exterior applications. It is manufactured as a powder combined with specialized additives that ensure easy cleaning, enhance anti-algae effectiveness, prevent mildew growth, and minimize cracking. Featuring superior bonding strength, high hardness, and excellent abrasion resistance, NIPPON SUPERFILL 239 is a durable and effective solution that significantly outperforms traditional cement-based grouts.
Type	Form: Powder Color: White (follow color chart)
Ingredients	Cement, Calcium Carbonate, Synthetic Adhesive.
Uses	It is the ideal mortar for grouting tiles with joint widths ranging from 1- 6 mm, offering strong adhesion and resistance to cracking, fracturing, and peeling after setting. It is suitable for application on ceramic, granite, porcelain tiles, natural stone, or artificial stone, for both interior and exterior use.
Key Features	<ul style="list-style-type: none"> - Anti-fungal and mildew resistance (hoặc Inhibits mold and algae growth). - Superior water resistance and stain minimization, maintaining joint cleanliness and long-term color stability. - High mechanical strength, crack-resistant, non-peeling/non-flaking. - Easy workability, smooth and flexible consistency, non-shrinking. QUALITY CERTIFICATION TCVN 7899-4:2008 <i>*Disclaimer: The results are based on laboratory testing and may vary due to differing application methods and site conditions.</i>
APPLICATION DATA	
Surface Preparation	The surface to be applied must be clean, free of oil, dust, wax, or impurities . <u>Recommended Treatment:</u> <ul style="list-style-type: none"> - <u>Dirt, Dust</u>: Clean with high-pressure water. - <u>Oil/Grease</u>: Clean with a mild detergent and some solvent if necessary. Rinse thoroughly to remove all stains.
Mixing Ratio	1 part water : 2 parts adhesive powder (by volume) 1 part water : 3 parts adhesive powder (by weight) Or adjust to a suitable consistency for use.
Application Method	After mixing, let the mixture stand for 3-5 minutes to allow the additives to activate, then mix again before use. Use a rubber float or trowel to firmly press the mixture

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	into the tile or stone joints (applying diagonally for better results). After 15-30 minutes, or when the grout feels dry, use a damp sponge or clean cloth to clean the surface.		
Average Coverage	1 kg / 5 m ² (this is a reference; actual coverage depends on tile/stone size and application technique).		
Pot Life	Approximately 40 minutes after mixing (do not leave in direct sunlight)		
Waiting Time after Tiling before Grouting	<ul style="list-style-type: none"> ▪ For walls: after 7 to 8 hours (depending on temperature) ▪ For floors: after 24 hours Wait at least 24 hours after grouting before light foot traffic.		
Storage	Store in a dry, cool place, away from direct sunlight.		
Shelf Life	12 months from the date of manufacture (if the packaging is unopened) . Seal the bag tightly after use to prevent clumping or quality degradation.		
Packaging	1kg bag.		
Note	Do not add cement or other additives to the product . Do not apply grout in areas that are still too damp or in a professional chemical environment.		
Product Standard	High-Quality Cement-based Grout with Low Water Absorption and High Abrasion Resistance.	Category	CG2WA
Abrasion resistance	≤ 1,000 mm ³	Shrinkage after 28 days	≤ 3.0 mm/m
Flexural strength under standard conditions (28 days)	≥ 2.5 N/mm ²	Compressive strength under standard conditions (28 days)	≥ 15 N/mm ²
Water absorption after 30 minutes	≤ 2.0 g	Water absorption after 240 minutes	≤ 5.0 g
Note	<i>The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product data sheet without further notice.</i>		

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