



POLYFILL 2400- SILICONE ENHANCED GROUTING MORTAR – CG2W

DESCRIPTION :

POLYFILL 2400 is a high-performance cementitious–silicone-based grout providing enhanced flexibility and high-water resistance. It is suitable for tile joints between 1 mm and 6 mm, ensuring durable filling in various environmental conditions.

ADVANTAGE:

- Less prone to soiling, easy to clean.
- Low water absorption rate, waterproof.
- Colors resistant to ultraviolet and atmospheric rays.
- Smooth surface.
- Low shrinkage rate, therefore no cracking or splitting.
- Very good abrasion resistance.

AREA OF USE :

- Interior and exterior areas & Wall and floor Surface.
- Joint widths up to 6 mm.
- Swimming pools, water tanks, showers, bathrooms.
- Heated floors and thermal pools.
- Pools that retain water during winter seasons.
- Cold storage facility flooring and wall claddings.

SURFACE PREPARATION :

- The joint gaps should be dry, clean and solid.
- The joints gaps should be free of adhesion preventive foreign substances such as dust, dirt, cement residues, etc.
- The joint gaps should be at least 2/3 to the tile thickness.
- When laying the tiles, the adhesive or mortar overflowing into the joint cavities should be cleaned before it hardens.
- Dampen the joints with clean water when using very porous ceramic tiles in high temperatures or in windy weather conditions.

MIXTURE PREPARATION :

- Pour POLYFILL 2400 on 6 – 6.5 L of clean water slowly and mix to obtain a homogeneous paste free from lumps.
- A low-speed mixer is recommended to mix. Do not add any substance which is not mentioned in the instructions for the application.
- The prepared mortar is left to rest for 5-10 minutes so that it matures after which it is mixed for 1-2 more minutes and then it becomes ready for application.
- Use the prepared mixture within 1 hour.

STORAGE AND SHELF LIFE :

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

APPLICATION :

- Using a suitable rubber trowel, completely fill the joints with grout and ensure the joints are fully compacted. Remove any excess grout from the surface.
- When the grout filling the joint has lost its water and become dull, usually after about 10-20 minutes, the surface should be cleaned with a wet sponge using circular motions.
- This time may be shortened in applications performed under adverse environmental conditions such as direct sunlight, wind, etc., when the cladding materials are left in the sun, or when they have high absorbency.
- If the wiping is done too early or if a very wet sponge is used, color variations may occur. To prevent cloudiness on the tile surface, the sponge should be cleaned frequently and the water in the bucket should be replaced frequently.
- After ensuring that the grout is dry enough not to seep from the joint, any residue on the surface should be cleaned with a dry cloth.
- Consumption is Depending dimension tile and width joints

Aftercare / Post-Application Instructions:

- Materials prone to staining, such as natural stone, terracotta, clinker, and granite ceramics, should be protected with a surface protector to prevent contamination from grouts.
- If wall and floor surfaces are still contaminated with grout, use a cement remover for cleaning at least 10 days after grouting.
- Discard any expired grout.
- All tools and hands should be cleaned with water and then dried after application.
- If grout is used in excessively hot, dry, or windy climates, it is recommended to wet the application areas after a few hours to improve final performance.
- Consumption values in the technical table represent average consumption amounts. They may vary depending on application conditions and surface characteristics.
- Due to its cement content, it irritates the eyes, respiratory system, and skin. See the safety data sheet for more information.

PACKING :

20 kg craft bags.



PRECAUTION IN APPLICATION:

- Surface condition: Ensure the substrate is structurally sound, clean, dry, and free from dust, grease, or loose particles.
- Ambient temperature: Do not apply at temperatures below 5 or above 35°C. Extreme temperatures may affect adhesion a curing.
- Moisture: Avoid applying the adhesive on wet or damp surfaces unless the substrate is properly prepared.
- Mixing: Always add powder to water, not water to powder, to avoid lumps. Do not use more water than recommended.
- Open time: Apply tiles within the adhesive's open time; exceeding this may reduce adhesion.
- Tile type: Check tile manufacturer recommendations, especially for natural stone or moisture-sensitive tiles.
- Protective gear: Wear gloves and goggles during mixing and application to prevent skin and eye irritation.
- Avoid contamination: Do not mix with other adhesives, chemicals, or additives unless explicitly recommended.

SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

STANDARDS : EN 13888-1, Class: CG2W

C: Cementitious - G: Grout
 2: Improved - A: High Abrasion Resistance

CONSUMPTION :

Ceramic Size (cmXcm)	Joint Width			
	2 mm (gr/m2)	3 mm (gr/m2)	4 mm (gr/m2)	6 mm (gr/m2)
10X10	400-550	600-800	800-1100	1200-1600
20X20	200-300	300-400	400-550	600-800
25X40	150-200	200-250	300-350	400-550
33X33	150-200	200-300	300-350	400-550
60X60	100-150	100-150	200-300	200-300
60X120	500-100	100-150	150-200	200-250

TECHNICAL PROPERTIES:

Appearance	White and Colored Powder	-
Pot Life	1 hours	-
Aplication	Between +5°C and +35°C	-
Tempeture		
Mixing Ratio	5 - 6 L water / 20 kg powder	-
Set to Light Traffic	1 day	-
Consumption	Depending dimension tile and width joints	-

PERFORMANCE :

Flexural Strength	≥ 2.5 N/mm ²	EN 12808-3
Compressive Strength	≥ 15 N/mm ²	EN 12808-3
Flexural Strength (after freeze/thaw cycles)	≥ 2.5 N/mm ²	EN 12808-3
Compressive Strength (after freeze/thaw cycles)	≥ 15 N/mm ²	EN 12808-3
Abrasion Resistance	≤ 1000 mm ³	EN 12808-2
Shrinkage	≤ 3 mm/m	EN 12808-4
Water Absorption	30 minutes: ≤ 5 g. 4 hours: ≤ 10 g.	EN 12808-5
Reaction to Fire	A1	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.



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