



RK MARBLE DENSIFICATION GUIDE

Enhancing Marble Strength
& Durability

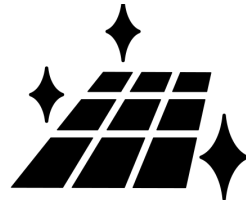


What is Densification of Marble?

Densification of marble is a chemical process in which a penetrating densifier (often a silicate-based compound) is applied to the surface of the marble to increase its surface hardness and reduce porosity. It bonds with calcium in the stone to form a harder surface layer.

Why is it Done?

To increase surface strength, reduce porosity, prevent micro-cracking and powdering, enhance polishing and gloss retention, and improve durability in high-traffic or moisture-prone areas.



For which marble is it a must to avoid issues later on?

It is recommended for soft and porous marble such as Thasos white, etc. and many of the colored imported marble.





For which applications is it essential?

It is essential for high-traffic and high-maintenance areas like residential flooring, hotel lobbies, kitchens, bathrooms, and external cladding.

For which areas of a house is it mandatory?

Living room floors, passages, stairs, bathrooms, kitchen tops/floors, and entrance lobbies.



For which areas of hotels is it mandatory?

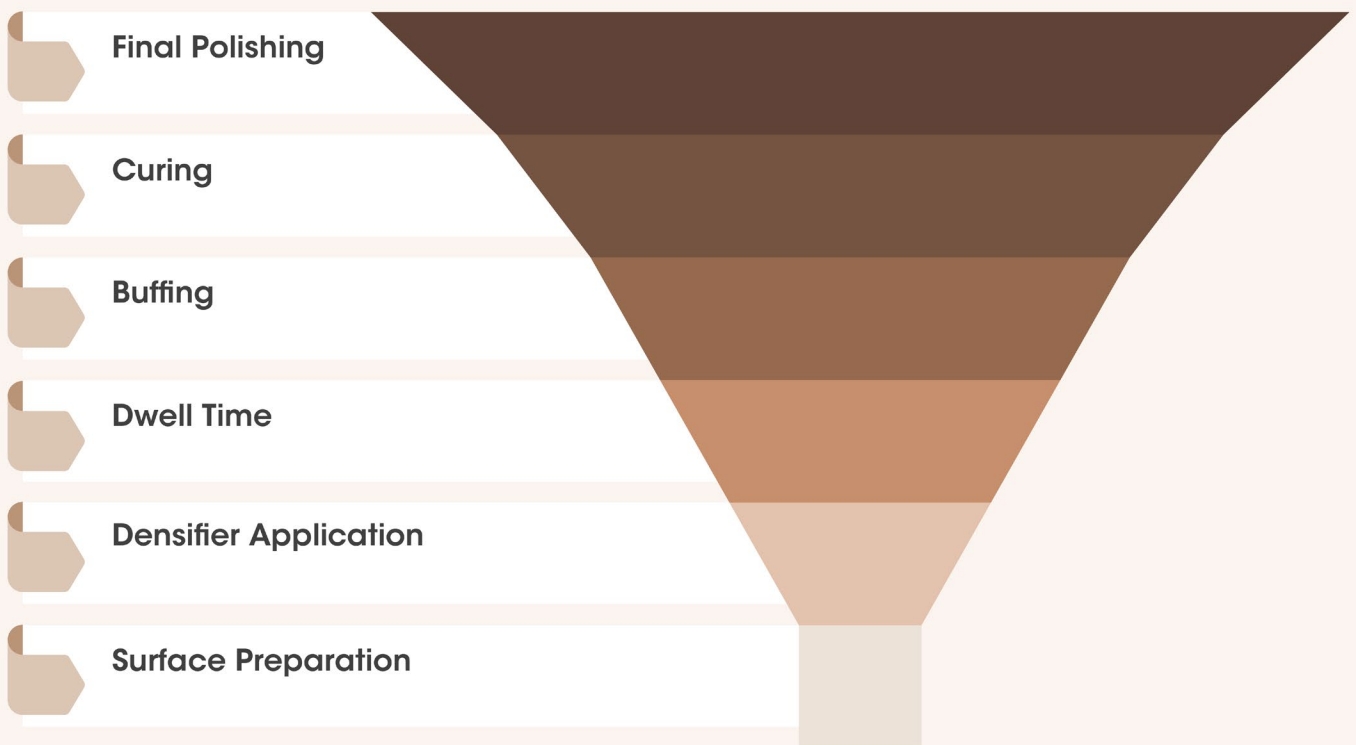
Hotel lobbies, guestroom corridors, banquet halls, restaurants, bathroom counters/floors, and service marble Areas.



How is it Done?

Steps: Surface preparation → Densifier application → Dwell time → Buffing → Curing → Final polishing.

It includes chemical bonding of the densifier with the stone's calcium.



What is the approximate cost per Sq.ft.?

The cost of marble densification varies based on treatment type, materials used, and labor charges. Below is a validated breakdown:

1. Basic Densification

- Scope: Application of silicate-based densifiers without additional treatments.
- Cost: ₹10–₹15 per sq.ft.

2. Advanced Densification with Polishing

- Scope: Includes densification, grinding, polishing, and sealing.
- Cost: ₹60–₹100 per sq.ft., depending on marble type and desired finish.

3. Premium Treatments

- Scope: Incorporates advanced treatments like nanocoating or epoxy for enhanced durability.
- Cost: ₹80–₹120 per sq.ft.
- Note: Prices are indicative and can vary based on location, marble type, and project specifics.

Factors Influencing Cost

- Marble Type: Softer marble may need intensive treatment.
- Surface Condition: Worn or stained surfaces need more preparation.
- Area Size: Larger areas may lower per sq.ft. cost.
- Labor Charges: Skilled labor rates vary by region.

Which are the most reliable companies providing densification products?

- Tenax (Italy): Ager, Hydrex, Skudo
- FILA (Italy): MP90 Eco Plus, Stone Plus
- Lithofin (Germany): MN Protector, Nano Densifier
- STAIN-PROOF by Dry-Treat (Australia): Dense Stone Enhancer
- Bellinzoni (Italy): Idea HP, Strong 2000
- Akemi (Germany): Nano Effect, Triple Effect



* **Disclaimer** – All the estimates are given as per prevailing chemical manufacturers' prices as of Aug 2025.

Densification:
***Strength That Lasts
Much Longer***



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