



RIYA STONE
SPECIALITY CHEMICALS

ESPLENDIDO KOTA STONE

PERMANENT COLOR DARKENER & SCRATCH REMOVER

—TECHNICAL DATA SHEET (TDS)—

TDS
ESPLENDIDO
KOTA STONE



Scratch
Remover



Color
Darkener



Deep
Penetration



Non Film
Forming



Water
Resistant



Weather
Resistant



Interior &
Exterior Use



Easy
Application



Professional
Result

1 Product Description

ESPLENDIDO™ Kota Stone Permanent Color Darkener & Scratch Remover is an advanced penetrating scratch remover treatment specially developed for removing fine surface scratches, abrasion marks and dull worn appearance from Kota stone and dense limestone surfaces.

The treatment deeply penetrates into the surface structure of the stone to remove fine surface scratches, abrasion marks and grinding dullness while simultaneously restoring natural colour depth and visual richness.

The advanced penetrating restoration system works by entering the micro-porous surface structure of the stone and restoring optical uniformity within the affected scratch zones. Instead of forming a temporary surface coating, the treatment integrates internally within the stone structure itself, helping reduce visible light scattering caused by surface abrasion and dull micro-scratches.

This deep penetrating action makes the system significantly more effective than conventional topical oils, temporary polish enhancers or surface dressings, which typically remain only on the upper surface layer and gradually fade with cleaning or weather exposure.

Unlike temporary polishing oils or surface dressings, the treatment integrates within the stone structure itself, providing long-lasting colour enhancement and restoration without forming a heavy artificial coating film.

The formulation is specially engineered for polished and semi-polished Kota stone finishes where professional scratch remover performance, deep enrichment and premium restored appearance are required.

During application, the treatment may produce a characteristic pungent aromatic odor due to its penetrating active system. The odor gradually disappears completely after full curing, typically within 24 hours under normal ventilation conditions.

Once fully cured, the treated surface develops durable water-resistant performance while maintaining the natural texture and appearance of the stone.

2 Key Performance Features

- Professional scratch remover performance for fine surface scratches and abrasion marks. Restores scratched, dull and worn Kota stone surfaces.
- Permanent colour darkening and natural stone enrichment effect.
- Deep penetrating non-film forming treatment.
- Enhances natural colour depth and visual richness.
- Water-resistant performance after curing.
- Long-term weather resistance.
- Suitable for interior and exterior stone surfaces.
- Maintains natural stone texture and finish.
- No polishing or waxing required after application.
- Easy cloth or applicator-based application.
- Excellent penetration into dense stone surfaces

3 Recommended Substrates & Application Area

Suitable For

- ✓ Kota Stone Finishes
- ✓ Mirror Polish Kota Stone
- ✓ High Polish Kota Stone
- ✓ Semi Polish Kota Stone
- ✓ Honed Kota Stone
- ✓ Brushed Kota Stone
- ✓ Leather Finish Kota Stone
- ✓ Smooth Matte Kota Stone
- ✓ Dense Natural Finish Kota Stone
- ✓ Kota Tiles & Slabs

Recommended Stone Surfaces

- ✓ Kota Blue Stone
- ✓ Kota Brown Stone
- ✓ Kota Honey Stone
- ✓ Dense Shahabad Stone
- ✓ Dense Tandur Stone
- ✓ Kadappa Stone
- ✓ Polished Limestone Surfaces
- ✓ Semi-Polished Limestone Surfaces
- ✓ Decorative Dense Stone Surfaces

Ideal For

- Residential Flooring
- Commercial Flooring
- Decorative Stone Areas
- Stone Elevation Surfaces
- Interior Stone Applications
- Exterior Stone Applications
- Hotels & Hospitality Projects
- Premium Decorative Stone Installations

4 Technical Characteristics

Property	Typical Value
Appearance	Slightly yellowish clear liquid
Odor	Characteristic aromatic odor
Density	@25°C ~0.87 – 0.91 g/cm³
Viscosity	@25°C ~5 – 15 mPa.s
Active Content	High active penetrating system
Flash Point	~36 – 40°C
Surface Formation	Non-film forming
Touch Dry Time	1 – 2 hours
Recoat Time	10 – 15 minutes
Full Cure Time	~24 hours



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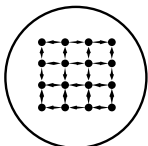


Professional
Result

5 Performance Data Test

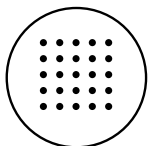
Property	Results	Test Method
Water Repellency	Excellent	ASTM D7088
Surface Penetration	Deep Penetrating	Internal Penetration Evaluation
Colour Enhancement	Permanent natural colour enrichment	Visual Comparison Method
Scratch Remover Performance	Excellent removal of fine surface scratches and abrasion marks	Surface Restoration Evaluation
Weather Resistance	Excellent	Accelerated Exterior Exposure Observation
Breathability	Vapour permeable	ASTM E96
Surface Appearance	Rich natural darkened finish	Visual
Water Resistance After Cure	Excellent	ASTM C642 Observation Simulated
Outdoor Durability	Long-term performance	Environmental Exposure Method

6 Coverage



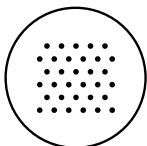
Low absorbency
polished surfaces

600 – 650
sq. ft./litre



Medium absorbency
surfaces

450 – 500
sq. ft./litre



Semi-polished
surfaces

400 – 450
sq. ft./litre

Coverage may vary depending upon substrate porosity, surface finish and application method.

7 Method of Application



1. Surface Preparation

- Surface must be clean, dry and free from dust, oil, grease, wax, polish residue and loosely bound contaminants.
- The substrate should have open surface porosity for proper penetration.



2. Application

- Apply ESPLENDIDO™ Kota Stone Permanent Color Darkener & Scratch Remover uniformly using a soft cloth, sponge or applicator pad.
- Ensure complete wetting of the surface during application.
- Allow the treatment to penetrate naturally into the stone surface for deep scratch restoration and enrichment action.



3. Multi-Coat Application

- For optimum colour enrichment and scratch remover performance, the treatment should typically be applied in 3 coats.

The first coat generally becomes surface dry within approximately 10–15 minutes depending upon substrate condition and ambient temperature.

The second and third coats should be applied after the previous coat becomes receptive and surface dry.

Proper multi-coat application ensures deeper penetration, improved scratch remover performance and uniform stone restoration.



4. Drying & Curing

- The surface becomes touch dry within a few hours depending upon site conditions.
- Full curing and optimum performance are achieved after approximately 24 hours.
- The characteristic application odor gradually disappears completely after full curing.
- Machine polishing or buffing is generally not required.

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8 Application Conditions



Temperature
+5°C to +35°C



Surface Condition
Apply only on dry substrates



Ventilation
Use in well-ventilated areas

9 Pre Application Test



A small trial application is recommended before full-scale application to confirm colour enhancement, appearance and substrate compatibility.

10 Post Application Care



Protect treated surfaces from water, spills and traffic during the initial curing period.



Avoid routine wet cleaning until complete curing has been achieved.

11 Do Not Apply on



Highly porous untreated rough stone surfaces



Weak or powdery substrates



Painted or coated surfaces



Wet substrates



Glass or metallic surfaces



Gypsum or plasterboard surfaces

12 Slip Note

Colour enrichment may increase surface richness and visual depth. Slip resistance depends upon substrate texture, finish and application method.

13 Safety Information



Use in well-ventilated areas during application and drying.



Avoid contact with eyes, skin and clothing.



Wear suitable protective gloves during handling.



Avoid inhalation of vapours.



Keep away from heat, sparks and open flame.



Keep out of reach of children.

First Aid



Eye-Contact

Rinse immediately with clean water and seek medical attention if irritation persists.



Skin Contact

Wash thoroughly with soap and water.



Inhalation

Move to fresh air immediately.



Eye-Contact

Do not induce vomiting; seek immediate medical advice.

14 Packaging

Available Packaging



500ml



1 Litre



5 Litre

Custom industrial packaging may be available upon request

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15 Storage Life



Shelf life: 12 months from date of manufacture.



Store in tightly closed original containers.



Protect from direct sunlight, heat and moisture.



Recommended storage temperature: 5°C to 35°C.

16 Technical Note

ESPLENDIDO™ Kota Stone Permanent Color Darkener & Scratch Remover is primarily designed as a professional penetrating scratch remover system for polished and semi-polished Kota stone surfaces with additional permanent colour enhancement benefits.

The system is specially effective on dense decorative stone surfaces where conventional polishing oils or temporary surface treatments fail to provide long-lasting scratch restoration performance.

17 Disclaimer



The information provided in this Technical Data Sheet is based on laboratory testing, field observations and practical application experience.

All values stated are typical values and may vary depending upon substrate condition, application method and environmental conditions.

Users are advised to carry out a trial application prior to full-scale use.

Since site conditions and application methods are beyond our control, no guarantee can be provided under all circumstances. The manufacturer reserves the right to modify product specifications without prior notice.

18 Final Statement

ESPLENDIDO™ Kota Stone Permanent Color Darkener & Scratch Remover delivers professional penetrating scratch remover performance with permanent restoration of scratched Kota stone surfaces along with natural colour enhancement and durable water-resistant protection.

BEFORE

AFTER

Marketed By

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Manufactured By

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