

JETTEST BLACK GRANITE COLOR CONVERTER

TECHNICALLY PERFECT. VISIBLY DARKEST
— TECHNICAL DATA SHEET (TDS) —



ULTRA BLACK
INTENSITY



SUPERIOR
MIRROR FINISH



DEEP NANO
PENETRATION



UV RESISTANT
FORMULA



100% EPOXY
COMPATIBLE



HIGH
STABILITY

1 Product Description

Esplendido Black 2.0 is an advanced nano-penetrating black granite color conversion system developed for achieving ultra-deep jet-black appearance, superior gloss enhancement, and permanent color richness on natural granite surfaces.

Engineered using high-performance nano-wetting chemistry and ultra-low surface tension technology, the system penetrates deeply into the micro-porous structure of granite to intensify black tone, improve depth uniformity, and enhance overall visual richness without creating excessive surface film.

The product is specially formulated for professional granite processors requiring:

- Maximum black intensity
- Superior mirror finish
- Export-grade appearance
- Balanced drying
- High polishing stability
- Excellent epoxy compatibility
- Long-lasting UV resistance

2 Key Technical Advantages

- ✓ **Unmatched Black Intensity** – Creates an ultra-deep jet-black tone with exceptional visual richness.
- ✓ **Ultra-Low Surface Tension** – Enables deep nano-pore penetration for uniform and consistent black depth.
- ✓ **Excellent Flow & Levelling** – Provides smooth application with streak-free finish development.
- ✓ **High Temperature Stability** – Maintains gloss and black tone stability even during aggressive polishing operations.
- ✓ **Superior Mirror Finish Enhancement** – Improves polishing clarity, gloss reflection, and surface richness.
- ✓ **100% Epoxy Compatible** – Integrates seamlessly with epoxy resin systems used in granite processing.
- ✓ **UV Resistant Formula** – Helps maintain long-term outdoor color permanence and fade resistance.
- ✓ **Balanced Drying & Non-Tacky Film** – Optimized drying profile suitable for industrial slab processing.
- ✓ **Deep Penetrating Nano Technology** – Enhances internal stone darkness rather than creating only superficial darkening.
- ✓ **Export Grade Surface Enhancement** – Produces premium quality ultra-black slabs suitable for high-end architectural and export applications.

3 Key Technical Advantages



4 Typical Technical Data

Parameter	Typical Value
Physical Appearance	Deep Black Liquid
Viscosity @ 25°C	7–8 cP
Relative Density @ 25°C	1.08 – 1.12
Penetration Character	Deep Nano Penetrating
Tack Free Time	Approx. 25–35 Minutes
Epoxy Coating Interval	Approx. 1–2 Hours
Final Finish	Ultra High Gloss / Mirror Finish
Coverage	32–42 m²/kg*
UV Resistance	Excellent
Heat Stability	Excellent
Surface Drying Nature	Balanced Non-Tacky Film
Compatibility	Suitable with Epoxy Resin Systems
Recommended Application	Roller / Foam Applicator
Shelf Life	12 Months
VOC Level	Low

Coverage may vary depending upon granite porosity, absorption, surface finish, and application thickness.

5 Performaned Features

Property	Performace
Black Tone Enhancement	Ultra Deep Jet-Black finish
Gloss Development	Superior Mirror Reflection
Penetration Efficiency	Deep Nano Penetration
Surface Uniformity	Excellent
UV Resistance	Excellent Outdoor Stability
Heat Resistance	Stable During Polishing
Epoxy Compatibility	Fully Compatible
Surface Finish	Premium Export Grade
Drying Profile	Balanced & Non-Tacky
Long-Term Durability	High

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6 Coverage

Property	Performance
 Low absorbency granite	38 - 42 m ² /kg
 Medium absorbency granite	35 - 38 m ² /kg
 High absorbency granite	32 - 35 m ² /kg

7 Method of Application

1. Surface Preparation

- Grind and polish the granite surface properly before application.
- Remove all dust, slurry, wax, polishing residues, and contaminants.
- Ensure the substrate is completely dry for maximum penetration efficiency.

2. Application of Esplendido Black 2.0

- Apply evenly using a foam roller or short-pile roller.
- Spread thin and uniform coats throughout the surface.
- Avoid excessive application or material accumulation.

3. Drying Process

- Allow the applied surface to dry naturally under ambient air or sunlight.
- Surface should become touch-dry and non-tacky before further processing.

4. Epoxy Application

- Apply low-viscosity epoxy resin uniformly over the treated surface.
- Epoxy application enhances gloss retention, surface richness, and long-term durability.

5. Final Polishing

- After complete epoxy curing, perform polishing using progressive abrasives.
- Final polishing develops extreme black depth, mirror reflection, and premium gloss appearance.

8 Recommended Processing Conditions

Parameter	Recommendation
 Surface Moisture	Completely Dry
 Application Temperature	15°C 40°C
 Ventilation	Well Ventilated Area
 Direct Water Exposure Before Cure	Avoid
 Polishing Stage	After Complete Epoxy Cure

9 Pre - Application



A preliminary trial on a small section is recommended before full-scale application to confirm black depth, gloss development, compatibility, and overall finish appearance.

10 Post - Application Care



Avoid direct water exposure before complete curing



Handle slabs carefully during initial curing stage.



Store treated slabs in dry and dust-free conditions before polishing

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11 Do Not Apply on

- Wet or moisture-containing granite
- Painted or coated surfaces
- Non-natural stone surfaces
- Metal or glass surfaces
- Highly contaminated substrates

12 Finish Note



Final black intensity and gloss level may vary depending on granite mineral composition, porosity, polishing sequence, and epoxy system quality.

13 Safety Precautions

- Use protective gloves goggles, and mask during application
- Avoid inhalation of vapors
- Ensure proper ventilation during use
- Avoid prolonged skin and eye contact
- Wash hands thoroughly after handling
- In case of eye contact, rinse immediately with clean water
- Do not eat, drink, or smoke during application
- Dispose of waste material according to local regulations
- For industrial and professional use only
- 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



1 KG



35 KG



200 KG

15 Storage & Handling



- Store in tightly sealed original containers.
- Keep in a cool, dry, and well-ventilated place.
- Protect from direct sunlight, excessive heat, sparks, and open flames.
- Do not expose material above 50°C.
- Do not allow freezing.



Shelf Life: 12 months from date Of manufacture.

16 Technical Note



Esplendido Black 2.0 is engineered with advanced nano-wetting chemistry that penetrates deep into the granite microstructure to create long-lasting internal black enhancement rather than temporary surface darkening.

The formulation is specifically optimized for industrial granite processing operations requiring premium export-grade gloss, polishing stability, and color permanence.

17 Disclaimer



The technical information and application recommendations provided in this Technical Data Sheet are based on laboratory evaluations and practical industrial experience.

Actual performance may vary depending on granite type, surface porosity, environmental conditions, processing methods, and application techniques.

Users are advised to conduct preliminary trials prior to full-scale industrial application.

Esplendido Black 2.0 is designed to deliver long-term black enhancement and gloss performance when applied according to recommended industrial processing procedures.

Since application conditions and substrates are beyond our control, no guarantee is provided for performance under all circumstances.

The manufacturer reserves the right to modify product specifications without prior notice.

Marketed By

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