



PRODUCT DATA SHEET – QUARTZSTONE LIGHT

DESCRIPTION

QuartzStone Light is a 1/8"3 thick non-slip floor covering. It offers a combination of aesthetics and durability. The floor covering offers a finish that is both durable and waterproof. The protective top layer is both aesthetically pleasing and safe thanks to its colored quartz aggregate with non-slip grain. Quartzstone Light is seamless, preventing dirt and bacteria from lodging themselves anywhere. It is also resistant to most chemicals, solvents and alkali.

AREAS OF APPLICATION

- Commercial: stores, grocery stores, recreation centers, shopping malls, commercial kitchens, banks, office buildings, restaurants and cafeterias
- Changing rooms, showers
- Pharmaceutical laboratories
- Offices
- Hospitals, schools, museums and galleries, health care facilities, veterinary clinics
- Light and medium manufacturing areas
- Agricultural production center

ADVANTAGES

- ColorProtech UV technology for color protection against discoloration caused by UV rays
- Odorless, non-toxic for the environment and for your health
- Waterproof, seamless
- Durable, hygienic
- Good chemical resistance
- Easy to clean, variety of non-slip textures
- Round groove, seamless wall baseboard option
- Aesthetic and glossy finish, optional matte or satin finish
- Highly effective in terms of resistance to the growth of fungi (according to ASTM G21) and mold (according to ASTM D3273 standard).
- Meets CFIA requirements for use in food processing plants.



ANTIMICROBIAL TECHNOLOGY

Our floor coatings are designed to minimize the growth of damaging bacteria ensuring a cleaner surface between clean-ups due to their hydrophobic nature and their bacteriostatic properties. This protection reduces the risk of microbial growth by limiting the spread of viruses, germs and bacteria. Resistance to fungal growth ASTM G21: Rating 0 (no growth). Resistance to mold growth ASTM D3273: Rating 10 (maximum resistance).

STORAGE

Store all components in a dry place, temperature ranging from 16 C to 30 C. Avoid prolonged exposure to frost or sunlight. 2-year shelf life in original containers.

PACKAGING

- Shinestone 423** : 5gal (18.9L) unit
- Shinestone 435** : 5gal (18.9L) unit
- Diamondstone Quartz Aggregates** : 22.7kg (50lbs) bags

CONSUMPTION

SHINESTONE FK
1/16" – 1,5MM

- Primer:** *Shinestone 423 at mils8 (180 ft²/gal)*
- Spreading Layer 1:** *Shinestone 423 at 15mils (100ft²/gal), quartz saturated (60lbs/100ft²)*
- Spreading Layer 2: Top Layer:** *Shinestone 423 at 20 mils (75ft²/gal), quartz saturated (80lbs/100ft²)
ShineSTONE 435 from 10 to 20 mils (75-125ft²/gal)*

STANDARD COLORS

8 standard colors - Consult the color chart





PRODUCT DATA SHEET – QUARTZSTONE LIGHT

INSTRUCTIONS

SURFACE PREPARATION

Thoroughly dust off and remove all traces of contaminants such as dirt, paint, efflorescence, laitance, oil, grease, biological residues (fungi, mold) or any other contaminant which could impair adhesion. Concrete surfaces must be clean and sound. Mechanically prepare by shot-peening to obtain an ICRI profile of CSP 3 to 6. The compressive strength of the substrate must be at least 25 MPA (3625 lbs / in²) at 28 days and the concrete compressive strength must be at least 1.5MPA (218 psi). Repairs to the bottoms must be carried out with suitable products, compatible with the manufacturer's product line. Contact our sales department at DiamondSTONE for recommendations. Make saw cuts around the perimeter of the surface, in doorways, around drains and gutters and at any junction with other coverings. The saw cuts must be twice as deep as the thickness of the coating.

MIXING THE PRODUCT

Only mix complete units. Condition the materials at a temperature between 16 and 22 ° C, at least 24 hours before use. First mix parts A and B mechanically for 2 minutes and 30 seconds, making sure all solids are distributed evenly.

INSTALLATION

Before proceeding with the application, measure and confirm the following variables: humidity level of the substrate, relative ambient humidity, ambient and surface temperature and dew point. Treating concrete substrates with a primer is generally not necessary under normal circumstances. However, due to variations in concrete quality, surface conditions, surface preparation, and ambient conditions, a primer may be required to prevent the possibility of blistering, peeling, pitting and other aesthetic variations.

APPLICATION Apply a coat of ShineSTONE 423 topcoat using a squeegee and roller at a thickness of 10mils.

1ST APPLICATION: Once the primer has cured, apply a 15-mil thick coat of ShineSTONE 423 saturated with DiamondSTONE Quartz Aggregates in the wet binder using a squeegee and roller. Allow enough time to cure before allowing foot traffic.

2ND APPLICATION: Sweep/vacuum excess aggregate from the first application and ensure that no particles or dust remains on the surface. If necessary, lightly sand imperfections before applying the second coat. Using a squeegee and roller, apply one coat of ShineSTONE 423 at 20 mils, saturated with DiamondSTONE Quartz Aggregates in the wet binder. Allow enough time to cure before allowing foot traffic.

TOP COAT: Once the screed has had sufficient time to cure, sweep and vacuum up the excess sand. Apply a coat of ShineSTONE 435 Clear Finish using a squeegee and roller at a thickness of 10 to 20 mils depending on the desired texture. If needed, additional topcoats can be installed to correct and adjust texture and gloss.

RESTRICTIONS

- Must be applied by licensed professional
- For indoor use only
- Min / max substrate temperature during application and curing: 15 / 28c, minimum 3c above dew point
- 85% maximum relative humidity during installation and curing
- Maximum moisture content of 4% in the slab when applying the coating
- Mechanical mixing only
- Protect from humidity for the first 24 hours
- The choice of color will have an impact on consumption and coverage. Light or bright colors may require more wet film thickness or multiple coats.
- Keep out of reach of children

IMPORTANT: DiamondSTONE believes the information contained herein to be true and correct at the date of publication, but it should be used for informational purposes only. As a result, this document does not in itself constitute a guarantee, either express or implied, of the product, including the implied guarantees and conditions of merchantability and fitness for a particular purpose. DiamondSTONE cannot therefore be held liable for any damage caused by the use of the described product, nor for any damage which may result from it. DiamondSTONE reserves the right to modify products and related documentation at its discretion and without notice. 11/17

APPLICATION TEMPERATURE	15C to 28C
OPERATING TEMPERATURE	0 C to +60 C (continuous)
CURING TIME	At 20C (6mm thickness)
PEDESTRIAN	12h
LIGHT TRAFFIC	24h
NORMAL TRAFFIC	24h
SHELF LIFE STORED AT 25 C	40 min
COMPRESSIVE STRENGTH ASTM C579	50,5 MPA
TENSILE STRENGTH ASTM C307	9,2 MPA
PULL-OFF STRENGTH ASTM D4541	>4,2 MPA (Substruct failure)
SHORE HARDNESS D ASTM D2240	80-85
WATER ABSORPTION ASTM C413	0,1%
VOC	0g/L

