



Jewel Stone

Decorative Floor Finish

PRODUCT DESCRIPTION

Jewel Stone is a water-based, acrylic modified cementitious coating designed for use over existing concrete and masonry, both interior and exterior. **Jewel Stone** is a blend of select silica aggregates and mineral additives that produces a stone-hard cast of thin section concrete. **Jewel Stone** can be textured, coloured, and patterned to replicate a wide variety of finishes such as stone, brick, tile, slate, and more. Once sealed, **Jewel Stone** is virtually water-impermeable, allowing it to be used in areas where water would otherwise pose a problem.

Jewel Stone is available in standard white or if a coloured **Jewel Stone** is desired there is a selection of several standard colours.

STORAGE & MIXING

Store **Jewel Stone** in a dry place away from direct sunlight. Employ temporary protection measures as needed. Keep **Jewel Stone** in a dry location away from any water or moisture. **Jewel Stone** cannot be permitted to freeze once it has been mixed with binder.

Jewel Stone is a two part application which requires both a skim coat and final coat. For the first (leveling) coat gradually add one bag of **Jewel Stone** dry mix to 3 L (105 oz) of **Pure Cement Binder** and 2 L (70 oz) of clean, potable water. For the second (texturing) coat use only 2 L (70 oz) of **Pure Cement Binder** and 2 L (70 oz) of water. Using slow mixing action so as not to induce air into the product, mix until a uniform, workable consistency is attained. Let the mixture stand for five minutes, then remix and use. Pot life is 30 min. Discard any material that has begun to stiffen.

APPLICATION & COVERAGE

Make sure the substrate is clean, dry, and free of efflorescence, oil, paint, loose material or any other foreign matter. Allow new concrete a minimum of 28 days to cure prior to applying any coating. Non-porous surfaces (such as polished concrete) must be scarified or etched with muriatic acid, thoroughly rinsed and allowed to dry prior to applying any coating. Repair cracks with fibreglass mesh embedded in **Jewel Stone Plus**. Keep expansion joints free of coatings. Protect adjacent areas when applying any coating.

Make sure the surface and ambient temperatures are 10°C (50°F) or greater when applying **Jewel Stone** and remain so until it has fully set and dried (minimum of 24 hours). Protect **Jewel Stone** from all possible damage until sealer has been applied and allowed to dry.

Before application of **Jewel Stone** it is recommended to plan the design and where expansion joints will be located. Using a stainless steel trowel, apply the first coat of **Jewel Stone** (for masonry substrates, we recommend embedding a reinforcing fibre glass mesh in the first coat). Allow a minimum of ten hours for the first coat to set prior to applying the second coat. When this first coat is set, it is at this point that the desired pattern can be taped off. Using a stainless steel trowel, apply the second coat of **Jewel Stone**. Minimum combined thickness of both coats shall be 3/16 inch (4.8 mm). Holding the trowel flat, drag it across the freshly applied second coat to create texture. After 2 to 4 hours have been allowed for the second coat to set, it is recommended to knock down the surface using a stainless steel trowel. Also the tape used to create the desired pattern must be carefully removed. Clean tools with water before material dries.

A pattern can also be created by cutting or shaving the surface. To shave the **Jewel Stone**, hold the trowel on its edge and drag it, or hold it flat and float the surface. Using a grouting tool cut out the desired pattern. Grout lines greater than one-half inch wide shall be filled in either with **Self-Levelling Jewel Stone**, or regular **Jewel Stone** mixed the same as the leveling coat. Apply the first coat of sealer prior to filling in the grout lines to avoid damaging the finished areas with overflow. Remove cuttings and shavings prior to applying colour.

Application of colours is done in various intensities and shaded to resemble the stone texture desired. To colour **Jewel Stone** it is recommended to sprinkle the dry colour over the surface. Using a dampened sponge

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and working in a circular motion, the colour is worked into the surface. Several colour shades may be necessary in order to achieve the desired appearance.

It is important to allow the **Jewel Stone** surface to completely cure prior to sealing it. DuROCK Alfacing International Ltd. has a variety of recommended sealers to be used with **Jewel Stone**. To determine which sealer is suitable for a particular application please consult a DuROCK representative.

Jewel Stone can be applied in coats ranging from $\frac{1}{16}$ to $\frac{1}{2}$ in. (1.6 to 13 mm). When mixed with *Pure Cement Binder*, one 50 lb (22.7 kg) bag of **Jewel Stone** dry mix covers approximately 45ft² (4.2m²) at 3/16 inch (4.8 mm) thickness. **Jewel Stone** is available in 50 lb (22.7 kg) bags.

TECHNICAL DATA

Compressive Strength (ASTM C109): 1 day: 10.3MPa (1494PSI)
7 day: 34.2MPa (4960PSI)
28 day: 44.4MPa (6440PSI)

Refer to www.DuROCK.com for the most up-to-date version of this document.