CONMIX LTD.

DECORATIVE PLASTER - GLITTERLITE®

Ultimate sparkling finish...

Glitterlite is a dry pre mix, decorative finish for internal and external use, giving a sparkling effect due to incorporated glass, silica sand and marble chips. These aggregates remain exposed on the surface by using a special application technique. The ultimate decorative coat for an impressive appearance and high weather resistance. Available in various colours and three exciting textures i.e. glass, silica, glass & silica.

TECHNICAL DATA

Composition	:	White Portland Cement graded marble chips, silica sand or glass chips, non- fading colour pigments & chemical improving agents
Binder	:	White Portland Cement
Aggregate Size	:	3 mm
Appearance	:	Granular powder, available in various colours
Mixing Ratio	:	7.5 ltrs of water per 50 kg bag. Water/Powder Ratio = 0.15
Approx. Yield/Coverage *	:	31 ltrs per 50 kg bag; 4.5 m^2 per 50 kg bag at 5 mm thickness
Density *	:	Wet : 1.80 kg/ltr Dry: 1.75 kg/ltr
Compressive Strength *	:	7 N/mm^2 @ 28 days
Flexural Strength *	:	1.5 N/mm^2 @ 28 days
Pack Size	:	50 kg paper bags
Shelf Life	:	12 months from date of production when stored under dry conditions
Working Time	:	Approx. 40 Minutes
Curing	:	Minimum 48 hours by potable water mist spray
Specification	:	BS5492, BSEN998-1, BSEN13914-1 & BSEN13914-2:2005

* Typical results under laboratory condition

APPLICATION METHOD

BACKGROUND

It is recommended that Decorative Plaster Glitterlite be applied over a Portland Cement based render mix type-II (BSEN 13914-1) which is combed to provide a rough/keyed background. Where the render is to be applied over dissimilar backgrounds i.e. concrete and block work (prior to the application of Glitterlite), it is important that the substrates are sound, free of undue shrinkage, structural, tensile and thermal movements. The rendered background should be cured with water for a period of 2 days (3-4 times daily) and allowed to harden for at least 7 days before applying Glitterlite.

Glitterlite Pre-application

The background for application of Glitterlite should be clean, free of dust deposits, loose mortar, chemical impurities (salts and sulphates) and other contaminations, which may adversely affect adhesion and cause variation in colour of the Glitterlite.

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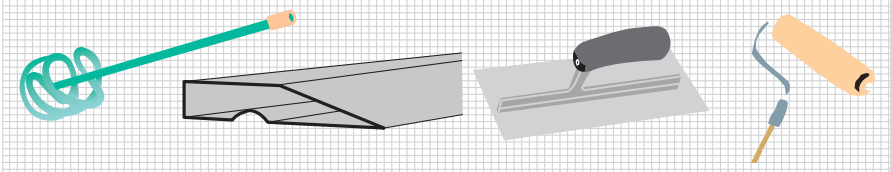
Application tools





It is essential to neutralize the suction of the background before Glitterlite is applied. This is done by applying potable water evenly on the background plaster. A short time should elapse to allow the free water to disperse before applying Glitterlite. On no account should Glitterlite be applied over wet backgrounds as this will cause de-bonding and variation in colour of the finished product.

MIXING

Glitterlite supplied in 50 kg has to be mixed with potable water only, in a clean plastic bucket or clean non-corrosive, uncontaminated metal tub. To ensure a homogeneous and uniform mix, an electric agitator must be used. The amount of water to be added is approx. 7.5 ltrs per 50 kg bag (i.e. approximately 15% by weight) and should be constant for every batch. Add Glitterlite to water, turn the contents of the bag carefully adding small amounts at a time into the container. Stir frequently and mix each batch for the same period of time. Once mixed, allow to stand for 5 minutes and mix again before applying. (To avoid segregation, the Glitterlite should not be allowed to stand for more than 40 minutes). No further water should be added to the mix. Hard and set plaster should not be re-mixed or used.

APPLICATION

Apply a thin coat of Glitterlite to an approximate thickness of 5 mm onto the prepared surface with a steel trowel. To avoid grinning, double back and fill out to a uniform thickness. Work from a wet unset edge to complete an entire unbroken panel area in one continuous operation. Level off with a aluminum straight edge. Using a steel trowel in conjunction with a wood float, bring to a fine surface. As soon as the Glitterlite begins to stiffen, the surface should be slightly dampened, then closed with a flat steel trowel. To avoid joints and discoloration, the material should be uniformly, troweled, levelled, straight and plumb before starting the next operation. When the troweled surface has become firm (indentations cannot be made by finger pressure), using a felt roller, dipped in potable water, carefully work the surface in an all over direction from top to bottom giving equal attention to the entire area. This will remove the thin film of the cement from the surface, leaving the partly exposed glass or aggregate chips revealed on the surface. Drying out period would depend on ambient weather conditions. To achieve an extreme sparkling effect of the Glitterlite, the surface has to be washed once, after 24 hours, with diluted hydrochloric acid to remove the fine film of cement from the glass chips.

Conmix demonstration team will assist in these procedures upon request.

SPECIAL NOTES

Glitterlite has to be protected from direct wind, sunlight and rain during application. It is recommended to erect a screen over the entire area where the Glitterlite is to be applied. Once Glitterlite has been applied, care should be taken to ensure that the combined water is retained for a minimum period of 48 hours for the purpose of hydration of the cement. The applied Glitterlite has to be water cured for at least 2 days (3-4 times daily) by applying a fine mist spray of potable water over the entire surface. Glitterlite must only be applied in panels measuring no more than 10m^2. Expansion, movement and control joints between panels can be formed by fixing wooden battens approx. 5 mm in thickness, which should be removed when the plaster has sufficiently hardened. The expansion joints should be filled with a suitable sealant. Alternately, PVC render beads (fixed back to back) or expansion beads can be used. The shape of the panels will depend on the individual's own design or will be determined by the expected movements of the structure. Special attention must be paid to ensure that moisture does not penetrate behind the Glitterlite or backing coat. No open edges are permitted. Sealed joints, flashing or other architectural details should be provided. In areas of high pollution or other contaminations, the cleaning of the surface of Glitterlite can be made easy by the application of CONTXTRA range of products - Tyroshield and Tyrothane.

STORAGE

Conmix Glitterlite must be stored in a dry place, off the ground and well covered. Hard or lumpy material must be rejected.