

SSC

SCULPTURE SUPPLY CANADA



PRODUCT OVERVIEW

COLORIT-FX was developed by Boemar in collaboration with WINTERSTONE International to provide an easy-to-use, multi-use colorant - integrally or topically - for sculptural/architectural/special effects and traditional art works. The colorant may be used with various gypsum & cement-based mixes, all of which require mix water or have a water-based liquid component.

To best understand the multi-use aspect of COLORIT-FX, particularly with respect to cementitious mixes, the following general information might be helpful. There are two major groupings of cementitious mixtures, namely, the common Portland Cement type (used in

concretes & mortars) and the Gypsums (used in plasters & castings). Both require mixing with water. The PC types, after mixing with water require several hours to set & harden and continue to develop strength over an extended period of "curing" days.

The Gypsums generally set/harden within an hour and achieve most of their strength within a day or so. Each group has numerous formulated mixes (not to mention manufacturers) for different specific uses and each with its own characteristics with respect to mixing, pot-life, means of application, setting/demolding times, curing requirements, strength properties etc. One of the major differences between these groupings is that the PC family of products is permanent and durable in any environment whereas the Gypsum based (or inclusive) products are inherently sensitive to water and degradation in an outdoor environment or under sustained exposure to water - unless some protective sealing/waterproofing measures are undertaken.

When COLORIT-FX is added into a cementitious mixture, occasionally some minor change in pot-life and/or setting time may occur. For example, WINTERSTONE is a PC based multi-component cementitious mixture with 3 slight variations in formulation to suit 3 specific uses (Sculpting, Casting & Ultra). The recommended mix water and other pertinent details for each are outlined in the Technical Bulletins & Data (Ref: www.winterstone.com). Generally, the WINTERSTONE mixes have sufficient latitude in pot-life and setting times - even with the addition of COLORIT-FX - to satisfy most users without the need for a retarder or accelerator.

Gypsum-based mixes, being fast-setting (e.g. U.S.G. Hydrocal, Hydrostone etc.) generally have more restrictive parameters regarding mixing, setting/demolding etc. and consequently may be more sensitive to the addition of COLORIT-FX. In such situations if the user cannot "work with" the changes that may occur, particularly in the setting/demolding times, then the use of the manufacturer's recommended retarder or accelerators may be in order. As a point of interest, the WINTERSTONE Ultra mix may be used as an

accelerator in the amount of 10-20 pbw per 100 pbw with most Gypsums. Increasing the amount of Ultra (within limits) will provide not only enhanced physical properties to the hardened product but will also open the palette to a wide variety of additional patinas and surface effects.

As to the topical use of COLORIT-FX in traditional art works on various substrates, it may be applied full strength or diluted. With the addition of some Ultra mix to provide body and reinforcing strength, the artist may create emphasis or texture ("impasto") to give the rendering more of a 3-dimensional quality. As the mixture is self-bonding, the application with brush, palette knife or spatula can be repeated over a period of days to achieve a significant "sculptural" effect, if desired.

COLORIT-FX is added to the mix water. The suggested maximum for integral use with any of the mixtures is 1 part of COLORIT-FX to 4 parts of mix water for a rich hue and lesser amounts for lighter tints/tones. The user should check the mix water recommendations in the Technical Instructions of the particular medium. It is recommended that the user carry out a simple test sample to determine suitable pot-life, setting times etc. The use of accelerators or retarders to suit particular needs, if at all required, should be done sparingly and to the manufacturer's recommendations so as not to impair the physical properties of the finished end product.

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