



## PLEX-33

*admixture*

### DESCRIPTION

PLEX-33 is a one component water based non-yellowing acrylic polymer emulsion used as an admixture for Portland cement mortars, plasters, stuccos and concrete mixes. It significantly improves adhesion, cohesion, tensile, compressive, and flexible strengths of cement-based materials. It will not re-emulsify when exposed to water and has excellent chemical and ultraviolet light resistance. Plex-ee is a milky white liquid having a viscosity slightly higher than water.

### USES

Plex-33 should be added to cement based mixes of mortars, plasters, stuccos and concrete to increase their mechanical strength and chemical resistance properties, as well as increase and improve workability, adhesion freeze/thaw resistance, and curing characteristics. Plex-33 is suitable for interior and exterior application both above and below grade where a hard fast curing material is required.

### LIMITATIONS

- Do not use Plex-33 modified mixes when the ambient temperature is below 4° C (40°F) or when the temperature is expected to fall below 4°C (40°F). High relative humidity, excessive moisture and low temperatures will retard the curing of Plex-33 modified mixes.
- Do not use with air entrained cement mixes or with air entraining admixtures.
- Do not use Plex-33 where air circulation is limited.
- Do not expose cement-based mixes modified with Plex-33 to water immersion service for a minimum of 24 hours at 23° C (73°F).
- Do not use Plex-33 as a surface applied external bonding agent or as a primer.
- Do not over mix or aerate mixes.

### MIXING

Plex-33 comes ready to use. It should be used as is. DO NOT OVER MIX, OR MIX AT A HIGH SPEED. The normal ratio of Plex-33 to water is 1 part Plex-33 to 3 parts of water. Where increase physical and chemical resistance requirements are more stringent, increase the Plex-33 content in the mixing liquid to a 1:2 or 1:1 water ratio.

### Surface Preparation

The type of methods required for preparation will vary depending on the end product to be applied and also the site and substrate conditions. In all cases the surface must be clean and sound. Remove all loose and disintegrated material. Remove all traces of oil, grease, dirt, dust, efflorescence, biological mold or mildew, release and curing agents. Vacuum, sweep or blow out area to be patched with clean oil free air.

### CEMENT/CMU-MASONRY SURFACES

Pre-dampen the prepared and cleaned area to be patched or coated, with potable water to a saturated surface dry (SSD) condition, do not leave standing water on surface. Proper surface preparation and cleanliness are extremely important.

### OTHER SURFACES

Premix-Marbletite Mfg. Co. technical representatives are available to assist in determining proper usage for specific surfaces.

### SERVICE CONDITIONS

Not recommended for exposure to soft water conditions or immersion service where contact with water treatment chemicals is present without a protective top cote.

### LIMITED WARRANTY

Premix-Marbletite Manufacturing Co., warrants that this product conforms to its current applicable specifications. Premix-Marbletite Mfg. Co., makes no other warranty, express or implied, including any WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchase for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price at the sole option of Premix-Marbletite Mfg. Co. Any claims concerning this product shall be submitted in writing within one year of the date of delivery of this product to Purchaser and any claims not presented within that period are waived by Purchaser. In no event shall Premix-Marbletite Mfg. Co. be liable for any special incidental, consequential, (including loss of profits) or punitive damages.

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