



CONCRETE RETARD COAT FOR VERTICAL SURFACES

DESCRIPTION:

Concrete Retard Coat For Vertical Surfaces is an emulsion which is applied to concrete forms to retard the set of the surface cement to obtain an exposed aggregate surface.

USES:

Concrete Retard Coat For Vertical Surfaces is a liquid that when sprayed on wood or steel form work will retard the cement and expose the aggregate to produce a three dimensional surface. The amount of retardation will be influenced by the concrete form work strip/wash time which, in turn, is influenced by air temperature and humidity. Concrete Retard Coat will only retard the surface cement and will not retard or "kill" the set of the mix.

LIMITATIONS:

Concrete Retard Coat For Vertical Surfaces may only be applied to concrete formwork. Do not apply to formwork that will be subject to extreme weather conditions. Do not apply to flat or fresh concrete, instead use Concrete Retard Coat For Horizontal Surfaces. Do not apply when surface temperature is below 0°C (32°F) or when air temperature is above 25°C (77°F).

TECHNICAL DATA:

Typical Properties

Colour	Light Blue Liquid
Viscosity	Sprayable
Freezing Point	0°C
Boiling Point	100°C

INSTALLATION INSTRUCTIONS:

When new or uncoated forms are to be used, coat form with a concrete release agent, before applying first coat of Concrete Retard Coat For Vertical Surfaces. Prior to commencement of the job, an actual field sample form should be made. A test using a proposed mix design should be placed in the field sample form treated with Concrete Retard Coat and stripped/washed at 24, 30 and 36 hours to satisfy which penetration depth is acceptable. It is recommended that work on vertical exposed surfaces be done to allow sufficient time the next day to strip the form and wash the surfaces.

DIRECTIONS:

Stir Concrete Retard Coat before application. Product will settle during storage, a gentle agitation or stirring will re-emulsify the mixture. Apply Concrete Retard Coat to form by using a brush, roller or low pressure sprayer. First coat should be applied lightly. Check adhesion before applying second coat. Apply a heavy, uniform second coat as evenly as possible. Allow second coat to dry thoroughly for 2-4 hours. Protect coated forms from extreme weathering. Place Concrete (it is recommended a mix design that is enriched with at least 20% more stone than the standard mix used). Forms should be removed in 24 hours. After stripping forms, remove retarded concrete immediately. If small aggregate is used, it is important not to start wash off too early to avoid creating bare spots. Use a water jet followed by brushing.

RATE OF APPLICATION:

Apply Concrete Retard Coat for vertical surfaces at 3.2 m²/litre (145ft²/gal).

CLEAN UP:

Clean tools and equipment with water. Clean hands and skin with soap and water.

PACKAGING:

Concrete Retard Coat is packaged in 4 litre and 20 litre containers.

FIRST AID:

Keep away from eyes. Use goggles during application. If in contact with eyes, flush with water immediately for 20 minutes. Call a physician. Avoid prolonged contact with skin. Use protective clothing and gloves. Wash hands thoroughly after using or before smoking or eating. If large amounts swallowed call physician immediately. Keep out of reach of children. See Safety Data Sheet for more information.

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