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Basic Description

RETARDER R30 – VERTICAL is an emulsion which is applied to concrete forms to retard the set of the surface cement to obtain an exposed aggregate surface.

Uses

Apply to wood or steel formwork to retard the cement and expose the aggregate to produce a three dimensional surface.

Limitations

Not recommended to be used on anything other than forms or to be applied to forms that will be subject to extreme weather conditions.

General Appearance

RETARDER R30 – VERTICAL is a blue viscous liquid.

Ordering, Handling and Protection

PRODUCT is ready to use. It is packaged in 3.78 litre cans, 18.93 litre pails and 205 litre drums. All containers are lined and protection sealed to ensure Insulmastic quality reaches the application site. Keep product from freezing.

First Aid

As with other products containing Portland Cement, cementitious component may cause irritation; avoid contact with eyes and prolonged contact with skin. In case of contact with eyes, immediately flush with water for at least 15 minutes. Call physician immediately. In case of contact with the skin, wash skin thoroughly. Workers should wear gloves and protective clothing during replacement. Worker should wash thoroughly after using the product. Keep out of the reach of children.

Installation Instructions

Preparatory Work:

1. When new uncoated forms are to be used, coat form with SHIELDKOTE STANDARD form release before applying first coat of RETARDER R30 – VERTICAL.
2. 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 same field sample form treated with RETARDER R30 – VERTICAL and stripped and washed at 24, 30 and 36 hours to satisfy which penetration depth is acceptable.
3. Insulmastic recommends that work on vertical exposed surfaces be done to allow sufficient time the next day to strip the form and wash the surfaces.



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Installation Method:

1. Stir RETARDER R30 – VERTICAL contents well before each application. Product will phase separate during a storage – a gentle agitation or stirring will re-emulsify the mixture.
2. Apply to form with a brush or low pressure sprayer. First coat should be applied lightly. Check adhesion before applying second coat.
3. Apply a heavy, uniform second coat as evenly as possible.
4. Allow second coat to dry thoroughly for 2-4 hours. Protect coated forms from extreme weathering.
5. Place concrete (InsulMastic recommends a mix design that is enriched with at least 20% more stone than the standard mix.)
6. Forms should be removed in 24 hours.
7. After stripping forms, remove retarded concrete immediately. If small aggregate is used, it is important not to start wash off too early to prevent bare spots. Use a water jet followed by brushing.
8. Apply InsulMastic ACRYSEAL or CLEARCOAT to the exposed surface to protect and cure the concrete.
9. Where a “wet-look” appearance is desired, apply CLEARGLAZE to the cured (28 day) surface.

Availability

RETARDER R30 VERTICAL is readily available from Insulmastic's distributors and dealers located in Western Canada and Northwestern United States. Call Insulmastic for your nearest source.

Rate of Application

Surface Profile	Metres ² /l	Feet ² /gal	Feet ² /US gal
	3.2	145	120

As retardation is a personal preference, Insulmastic recommends a test form to be prepared using the proposed mix design, application rate, length of time for retardation process and approximate ambient conditions experienced at application time.

Clean Up

Clean brushes and spray equipment by washing with tap water as soon as possible after use.