



Hycrete Polymer

Make concrete and mortar for more flexible and adhesive and waterproof

Description

An acrylic admixture polymer designed to address the drawbacks of polymer modifiers while maintaining the benefits has been developed.

An acrylic backbone was chosen because it offers a balance of performance and cost with particular reference to hydrolysis resistance and exterior durability. To this acrylic backbone a unique reactive monomer was incorporated, the resulting patented polymer actually uses the cement matrix as a catalyst to affect a chemical cross-link reaction.

This thermosetting polymer exhibits significant improvements in performance over ordinary polymer admixtures. These improvements are most notable in the following areas.

Advantage

- Elimination of air entraining
- Increase flexible
- Increase adhesive bond strength
- Increase Water proof .
- Decorative stenciled overlays
- Self-leveling industrial floor overlays
- Increase Compressive strength
- Increase Abrasion resistance
- Increase Chemical resistance
- Joint Grout
- Trowel-on toppings
- Easy to maintain and repair

Characteristic

Appearance	: Milk White Liquid
Solid Content	: 46% to 48%
pH	: 9.5 to 10.0
Specific Gravity	: 1.059
Freeze-Thaw Stability	: 5 cycles
Med Film Formation Temp.	: 10 –12 °C

Packaging

In pail of 20 L.

Introduction for Use

Hycrete Polymer (Liter)	Clean Water (Liter)	Portland Cement I/III (Liter)	Clean/Dry Silica Sand (Liter)	Grit Size	Rock Amount (Liter)	Rock Size	Total Area (sq.m.)	Thickness Of Application (mm.)
1	2	3	6-9	-----	-----	-----	5-6	1.5
1	2	3	6-9	-----	-----	-----	2.5-3	3.0
1	2	3	7.5-9	-----	-----	-----	1.3-1.5	6.0
1	3	4	8	#16/20/30	8	3/8 “	1.125	12
1	3	4	8	#16/20/30	8	3/8 “	0.675	20
1	4	5	10	#16/20/30	10	3/8 “	0.68	25
1	4	5	10	#16/20/30	10	3/8 “	0.57	30
1	6	7	14	#16/20/30	14	3/8-1/2”	0.60	40
1	6	7	14	#16/20/30	14	3/8-1/2”	0.53	45
1	10	11	22	#16/20/30	22	3/8-1/2	0.66	50

When mixing in rock for application that are ½ inch or deeper, follow these mixing instruction:

1. Combine the Hycrete Polymer and water together in a separate container in the proportion given on the mixing chart. (For example batches, substitute cup, pint or quart for liter)
2. Pour ½ of the polymer and water mixture into a concrete mixer or your mixing container.
3. Start the concrete mixer or use the wheelbarrow and shovel method.
4. Add all of the sand and rock shown on the mixing chart [or, if making a smaller batches, according to the standard unit of measurement you select for the polymer, water and cement]
5. Add more of the polymer and water mix as needed to achieve the consistency or slump desired.

Generally, when rock is being used, one half to three quarters of the combination of concrete polymer and water per the mixing chart will be all that is needed to achieve the proper slump or consistency.

Note: For mixing instruction on application from zero to ½ inch thick where no rock is used, refer to page nine for the step-by-step procedures.

Act (Thailand) Co., Ltd.

Address : 19 Moo 1 Kubangluang
 Lardlumkaew Pathumthai 12140
 Tel. : (66)-0-2979-4446-9 , (66)-0-29794936-9
 Fax. : (66)-0-2979-4445
 Email : info@actthai.com
 Web Site : <http://www.actthai.com>

Non-warranty. The information contained herein is believed to be reliable to the best of our knowledge. However, all recommendations are made without guarantee of performance and with warranty of freedom from legal responsibility including patent liability on the part of Act (Thailand) Co., Ltd
