



RayCryl 410 Technical Bulletin Acrylic Emulsion for Polymer Admix

RayCryl 410 is a 100% acrylic emulsion designed for blending with cement and concrete products. Specifically designed as a polymer modifier for cement, RayCryl 410 provides excellent workability, flexibility and compressive strength. It exhibits outstanding pot life under high temperature condition.

Suggested Uses

- Concrete Admix

Key Features

- Superior compressive strength
- Excellent workability and flexibility
- Outstanding pot life

RayCryl 410 Typical Physical Properties

Polymer type	Acrylic emulsion polymer
Weight solids	45 – 47%
Viscosity (Brookfield Model RVT)	50 – 500 cps, #2/100 rpm
pH	9.0 – 10.0
Tg (MDSC)	11°C
MFFT (ASTM D-235)	9°C
Particle Size (Mean)	0.25 microns
Surfactant Charge	Nonionic
Weight per Gallon	8.75 lbs/gal
Bulking Value	0.1143 gal/lb
Freeze Thaw Stability	Do Not Freeze

For 40 years, Specialty Polymers has been developing state of the art resins for the paint and coatings industry. With more than 250 products to choose from, Specialty Polymers has the right polymer to meet your needs.

IMPORTANT: The information contained in this Technical Bulletin is intended to be a guideline. Specialty Polymers recommends users of the product perform their own testing to determine the suitability of the product in their application.

Suggested Formulations

RayCryl 410 – Polymer Cement Admix

Ingredient	Weight (lbs)	Supplier
Portland Cement Type I	100.00	
Sand (20-30 mesh)	300.00	
RayCryl 410	21.00	Specialty Polymers, Inc.
Water	15.00	
Total	436.00	

Cure Time	Compressive strength ASTM C-579 [psi]
3-days	590
1-week	1350
2-weeks	1330
3-weeks	1580
4-weeks	1630

RayCryl 410
Compressive Strength ASTM C-579

