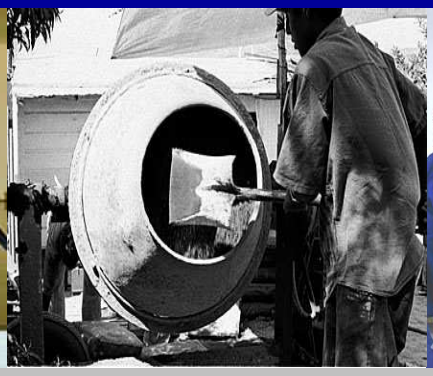
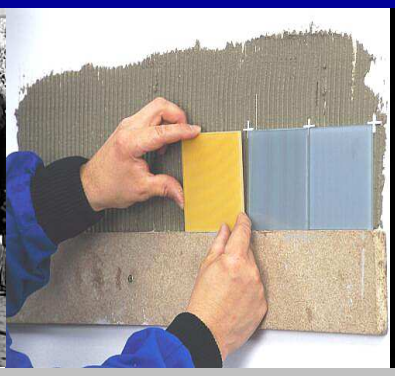
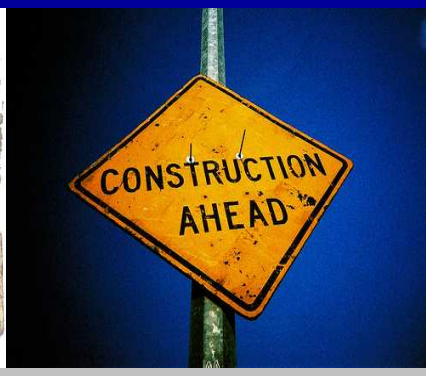
Polymer Selection Guide for Construction

Technology and Service On Demand

Mallard Creek Polymers, Inc. provides a broad range of Styrene-butadiene and Acrylic latex polymers designed to service the construction products market. Our R&D and Applications Scientists also seek out opportunities to work with individual customers to quickly develop new latex polymers to fit their specific needs.

Our latex polymers currently find use in many construction applications including:

- Waterproofing and moisture vapor barrier coatings
- Admixtures for hydraulic cement based products
- Wood and parquet flooring adhesives
- Ceramic tile mastics
- Carpet adhesives
- Vinyl tile adhesives
- Coatings and sealants for HVAC systems
- Primers for cement and other substrates
- Modifiers for Asphalt emulsions
- Roof coatings

MCP Mallard Creek Polymers

Our Technical Service personnel can help you choose the best latex polymer for your application.

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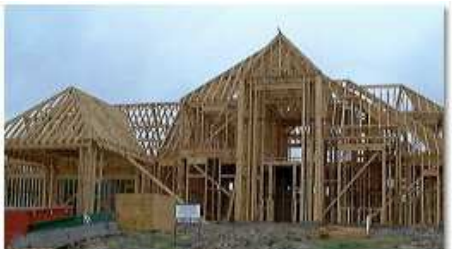

Styrene-Butadiene

Product	Solids %	Viscosity cps	pH	Tg °C	S:B Ratio	Comments
Rovene 4190	46.0-48.0	100 max	10.5-11.5	-6	65:35	Cement and concrete modification
Rovene 4040	49.0-51.5	100-750	7.0-8.5	+6	65:35	Cement and concrete modification
Rovene 4040-M	45.0-47.0	25-500	7.0-8.5	+6	65:35	Lower solids; Cement and concrete modification
BarrierPro® 4550	49.0-51.0	900 max	9.5-10.0	+1	60:40	Base latex for construction related damp proofing; high water resistance; high strength
Rovene 4041	49.0-51.0	25-400	10.0-11.0	+17	65:35	Freeze-thaw stable; concrete; cement; underlayment
BarrierPro® 4545	51.0-53.0	400-1200	8.0-8.4	+17	65:35	Base latex for construction related damp proofing; high water resistance; high strength
Rovene 4041-M	45.0-46.0	25-400	10.0-11.0	+17	65:35	Freeze-thaw stable; concrete; cement; underlayment

Acrylic

Product	Solids %	Viscosity cps	pH	Tg °C	Comments
Rovene 403	44.5-47.5	100 max	7.5-9.5	+12	Carboxylated; concrete and cement modifications; non-yellowing modifier for exterior decorative cement applications
Rovene 6023	44.5-47.5	400 max	7.5-9.5	+12	Low odor; concrete and cement modifications; non-yellowing modifier for exterior decorative cement applications

Acrylinitrile-Butadiene

Product	Solids %	Viscosity cps	pH	Tg °C	Comments
Tylac® 873	42.0-44.0	100 max	8.1-8.3	-40	Carboxylated; asphalt modifier; improves low temperature flexibility; improves strength and chemical resistance

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