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ASPHALT CUTBACKS

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OVERVIEW

United Asphalt Company offers a variety of Asphalt Cutbacks. Asphalt Cutbacks are manufactured by blending liquefied asphalt and petroleum solvents. There are two major types of Cutback Asphalt based on the relative rate of evaporation of the solvent: Rapid-Curing (RC) & Medium-Curing (MC)

RAPID-CURING CUTBACK

A Rapid-Curing (RC) Cutback Asphalt is designed to react quickly primarily for spray applications, such as bond/tack coats, aggregate chips seals, sand seals and similar surface treatments.

PROPERTIES	RC-70		RC-250		RC-800		RC-3000	
Designation	**Min**	**Max**	**Min**	**Max**	**Min**	**Max**	**Min**	**Max**
Kinematic Viscosity, 140°F, cSt	70	140	250	500	800	1600	3000	6000
Flash Point (TOC), °F	–	–	80+	–	80+	–	80+	–
Distillation Test: Distillate, volume percent of total distillate to 680°F								
to 374°F	10	–	–	–	–	–	–	–
to 437°F	50	–	35	–	15	–	–	–
to 500°F	70	–	60	–	45	–	25	–
to 600°F	85	–	80	–	75	–	70	–
Residue from Distillation, 680°F, % volume by difference	55	–	65	–	75	–	80	–
Tests on residue from distillation:								
Viscosity at 140°F, P[4]	600	2400	600	2400	600	2400	600	2400
Ductility at 77°F, cm	100	–	100	–	100	–	100	–
Solubility in TCE, %	99.0	–	99.0	–	99.0	–	99.0	–
Water, %	–	0.2	–	0.2	–	0.2	–	0.2

MEDIUM-CURING CUTBACK

A Medium-Curing (MC) Cutback Asphalt is designed for mixing with aggregates. Because these grades do not break immediately upon contact with aggregate, mixes using them can remain workable for extended periods of time and lend themselves to cold mix stockpiles.

PROPERTIES	MC-30		MC-70		MC-250		MC-800		MC-3000	
Designation	**Min**	**Max**	**Min**	**Max**	**Min**	**Max**	**Min**	**Max**	**Min**	**Max**
Kinematic Viscosity, 140°F, cSt	30	60	70	140	250	500	800	1600	3000	6000
Flash Point (TOC), °F	100	–	100	–	150	–	150	–	150	–
Distillate Test: Distillate, volume percent of total distillate to 680°F										
to 437°F	–	25	–	20	–	–	10	–	–	–
to 500°F	40	70	20	60	15	55	–	35	–	15
to 600°F	75	93	65	90	60	87	45	80	15	75
Residue from Distillation, 680°F, % volume by difference	50	–	55	–	67	–	75	–	80	–
Tests on residue from distillation:										
Viscosity at 140°F, P[4]	300	1200	300	1200	300	1200	300	1200	300	1200
Ductility at 77°F, cm	100	–	100	–	150	–	150	–	150	–
Solubility in TCE, %	99.0	–	99.0	–	99.0	–	99.0	–	99.0	–
Water, %	–	0.2	–	0.2	–	0.2	–	0.2	–	0.2