

Asphalt Materials List

Note: This List is only a reference list and customers should verify safe application, heating and storing temperatures from the material supplier

Rubberized Crack Sealant-for sealing stress cracks in asphalt pavement and concrete. Also used in saw and seal applications

Manufactures	Recommended Temperatures	Stepp Equipment Model Recommended
Deery American Crafco McAsphalt Ind Maxwell Products Seal Master P&T Products Right Point	360-410 Degree F	OJK- Oil Jacketed Line

AC Crack Filling-For filling cracks and depressions in asphalt. Also used as a tack oil before asphalt patching. Material is not pliable and reflective cracking will happen in cold temperatures

AC-20	300+	SGS Flue Fired and SBF Bottom Fired Lines
AC-3	300+	
Deadlevel (roofing asphalt)	400+	

Cutback Asphalts-For tack coating and chip sealing operations. Highly flammable operator needs training on materials before use. Cutback oils are AC+naptha to thin product.

RC-Rapid cure		SBF Bottom Fired, STRD Trailer Distributor
RC-70	105-175	
RC-250	145-220	
RC-800	180-255	
RC-3000	215-290	
MC-Medium cure		
MC-30	70-140	
MC-70	105-175	
MC-250	145-220	
MC-800	180-255	
MC-3000	215-290	
SC-Slow cure		
SC-70	105-175	
SC-250	145-220	
SC-800	180-255	
SC-3000	215-290	

Water Based Emulsions-Used in tack coating, chip sealing, spay injection patching. Emulsions are replacing cutbacks because they are more environmentally friendly. AC type asphalt with a water cutter. Emulsions will not flash but can not freeze or boil. Long term storage not recommended. Shelf life 60-120 days

SMT Mini Tank, STRD Trailer Distributor, EMS-Emulsion storage tank

RS-Rapid Set	
RS-1	70-140
RS-2	125-185
HFRS-2	125-185

MS-Medium Set	
MS-1	70-160
MS-2S	70-160
HFMS-1	70-160
HFMS-2	70-160
HFMS-2H	70-160
HFMS-2s	70-160

SS-Slow Set	
SS-1	70-160
SS-1h	70-160

CRS-Catatonic	
CRS-1	125-185
CRS-2	125-185
CMS-2	70-160
CMS-2h	70-160
CSS-1	70-160
CSS-1h	70-160

Patch Mixes- For filling potholes, utility cuts and depressed cracks

SPH-Pre-mix heater, SPHD-Premix dump trailer, SSPH-Slip-in Pre-mix heater, STPH-Truck Mounted/hook mounted Pre-mix heater,

Hot mix	275-350+
Cold Mix	150-250
High Performance cold Mix	70-150

Milling/chunk asphalts

SRM-10x120 Asphalt Recycler, SRM-20x120 Asphalt Batch plant

ARP Additive (bitublend)	200-300
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Grade Translation Chart

PG 62-22	AC 20	Over Lays and Full Depth Pavements
PG 70-22	AC20 Mod	Over Lays and Full Depth Pavements
PG 76-22		Over Lays and Full Depth Pavements
Pg 64-28	AC 10 Mod	Full Depth Pavement
PG 70-28	AC10HD	Full Depth Pavement
PG 76-28	AC 10 HD+	Full Depth Pavement
PG58-22	AC10	Rap Mixes
PG58-28	AC 7.5	Rap Mixes
PG52-28	AC 5	Rap Mixes
PG46-22	AC2.5	Rap Mixes

The higher the first number, the warmer the climate. The second number (-22 in the illustration) represents the minimum temperature in Celsius for which low temperature cracking should not occur. The low number is not relevant to PCC overlays, since low temperature contraction of an underlying concrete pavement cannot be restricted by the strength of the HMA overlay. Both numbers change in 6 oC (11 oF) increments in the Superpave system. Thus the grade in Figure 2 would be for a pavement with an operating temperature range between 64 oC and -22 oC (147 oF to -8 oF).

