



Circle Systems, Inc.

PRODUCT SELECTION CHART

Wet Method Particles

Product	Media	Color	Particle Size	AMS Standard*	SAE Sensitivity†	Technical Bulletin	Recommended Temperature Range
Mi-Glow® 800	Oil	Fluorescent Yellow-Green	3 µm	3044	7	240	32-120°F/0-49°C
Mi-Glow® 834	Water	Fluorescent Yellow-Green	3 µm	3044	7	204	32-120°F/0-49°C
Mi-Glow® 778	Water	Fluorescent Yellow-Green	3 µm	3044	7	267	32-120°F/0-49°C
Mi-Glow® 418	Water	Fluorescent Yellow-Green	7.5 µm	3044	7	284	32-300°F/0-149°C‡
Mi-Glow® 920	Oil	Fluorescent Yellow-Green	12 µm	3044	7	213	32-120°F/0-49°C
Mi-Glow® 106	Oil	Nonfluorescent Black	1.5 µm	3042	6	183	32-120°F/0-49°C
Mi-Glow® 601	Oil	Red	10 µm	N/A	N/A	274	32-120°F/0-49°C
Mi-Glow® 634	Water	Red	10 µm	N/A	N/A	283	32-120°F/0-49°C
CircleSol M™	Oil	Clear	N/A	2641	N/A	312	32-120°F/0-49°C
Mi-Glow® 800L	Oil	Fluorescent Yellow-Green	3 µm	3045	7	272	32-120°F/0-49°C

Aerosols

Product	Media	Color	Particle Size	AMS Standard*	SAE Sensitivity†	Technical Bulletin	Temperature Limit
CircleSafe® 800A	Oil	Fluorescent Yellow-Green	5 µm	3045, 3046	7	271A	120°F Maximum
CircleSafe® 778A	Water	Fluorescent Yellow-Green	5 µm	3044	7	268	120°F Maximum
CircleSafe® 820A	Water	Nonfluorescent Black	1.5 µm	3042	6	269	120°F Maximum
CircleSafe® 820AX	Oil	Nonfluorescent Black	1.5 µm	3042	6	269X	120°F Maximum
CircleSafe® 850A	Water	Red	10 µm	N/A	N/A	270	120°F Maximum

Non-Fluorescent Dry Method Particles

Product	Color	Particle Size	AMS Standard*	SAE Sensitivity**	Technical Bulletin	Temperature Limit
Sir-Chem® Dry Powder 61	Gray	75 µm	3040	8	161	800°F/427°C
Sir-Chem® Dry Powder 63	Red	75 µm	3040	8	163	600°F/315°C
Sir-Chem® Dry Powder 66	Yellow	75 µm	3040	8	166	800°F/427°C
Sir-Chem® Dry Powder 68	Blue	75 µm	3040	8	168	800°F/427°C

* Aerospace Material Specification Documents, as called out by ASTM E-709, ASTM E-1444, ASME Boiler/Pressure Vessel Code, and others.

† Representative of the number of lines shown on a tool steel ring as defined in SAE AS5282.

‡ Refer to special instructions in the respective product Technical Bulletin when using in temperatures above 120° F.

Revised: 5/24/2018