

**Operating Conditions
Demand The Correct
Cover Compound.**

Fenner Dunlop covers are designed for specific applications to ensure greater belt life, which equates to cost savings for the customer. Each cover compound is derived and engineered from natural and/or synthetic rubber polymers.

Whether the primary operational concern is abrasion, heat, oil or sub-zero temperatures, Fenner Dunlop has a wide range of cover compounds designed specifically to meet the most demanding operating requirements.



General Service Covers

Matchless® (RMA Grade I)

- Superior endurance against combined cutting, gouging and heavy impact
- Recommended for transporting large, heavy lump ores, rocky earths, granite trap rock and quartz
- Unequaled in conveying heavy logs from the debarker
- Good abrasion resistance
- Superb for glass cullet handling and other types of sharp, abrasive material

Matchless® Plus (RMA Grade I)

- Provides enhanced features to Matchless® with increased cut and gouge characteristics
- Compound for the most severe cut, gouge and impact applications
- Compliant with DIN Standard "X"

Platinum™ (RMA Grade I)

- Superior endurance against heavy, continuous abrasion
- Good resistance to cut and gouging
- Cost effective upgrade from Grade II products
- Recommended for most above-ground abrasive material handling applications, such as aggregates, limestone, sand, crushed ores and rock, potash, trona, salt, slag, run of the mine and sized coal, coal mine refuse, and other abrasive mining applications

Granite™ (RMA Grade II)

- Excellent where heavy, continuous abrasion is the primary concern
- Good resistance to cutting and gouging
- Recommended for most above-ground abrasive material handling applications, such as aggregates, limestone, sand, crushed ores and rock, potash, trona, salt, slag, run of the mine and sized coal, coal mine refuse, and other abrasive mining applications

Titanium™ (High Abrasion Rubber Compound)

- Provides increased service life without increasing cover thickness
- Exhibits excellent abrasion resistant characteristics
- Compliant with DIN Standard "Y"
- Recommended for applications requiring superior resistance to abrasion and wear, outstanding in high impact applications



COMPOUNDS

Compound Specifications



RECOMMENDED COVER THICKNESS				
CLASS OF MATERIAL	MINIMUM TOP COVER		MINIMUM BOTTOM COVER	
	(Inches)	(mm)	(Inches)	(mm)
NON-ABRASIVE MATERIALS - WOOD CHIPS, PULP, GRAIN, LOOSE CEMENT, POTASH ORE, OR VERY FINE COAL	1/16 to 1/8	1.5 to 3.0	1/16	1.5
MILDLY ABRASIVE MATERIALS - SHARP SAND, CLINKER, EARTH, BITUMINOUS COAL AND ROCK UNDER 3" SIZE.	1/8 to 3/16	3.0 to 4.5	1/16	1.5
ABRASIVE MATERIALS - ANTHRACITE COAL, COKE, SINTER, GRAVEL, OR CRUSHED STONE. OVERBURDEN OR COAL UP TO 10" SIZE. IRON AND COPPER ORES OR LIMESTONE UNDER 6" SIZE	3/16 to 1/4	4.5 to 6.0	3/32	2.0
HEAVY ABRASIVE MATERIALS - IRON, COPPER, ROCK ORES, ZINC, LEAD ORES, OR ROM COAL, LIMESTONE OR SLAG UNDER 9" SIZE.	1/4 to 3/8	6.0 to 9.5	1/8	3.0
HEAVY, SHARP ABRASIVE MATERIALS - TRAP ROCK, QUARTZ, HARD ORES, SLAG, GLASS CULLET. ANY HARD HEAVY SHARP ORE OVER 9" SIZE.	3/8 to 3/4	9.5 to 19.0	3/16	4.5

MILLIMETER AND DECIMAL EQUIVALENTS FOR COVER THICKNESS															
3/64"	1/16"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"
1.2	1.5	2.3	3.1	3.9	4.7	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7
.047	.062	.094	.125	.156	.188	.219	.250	.281	.312	.344	.375	.406	.438	.469	.500

COVER WEIGHT FACTORS (PIW)	1/32"	1/16"	3/32"	1/8"	5/32"	3/16"	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	3/8"
COVER WEIGHT FACTORS MM (PIW)	.79	1.5	2.3	3.1	3.9	4.7	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7
GENERAL PURPOSE	.016	.032	.048	.064	.080	.096	.112	.128	.144	.160	.176	.192	.208	.224	.240	.256
FIRE RESISTANT	.018	.036	.054	.072	.090	.108	.126	.144	.162	.180	.198	.216	.234	.252	.270	.288
OIL RESISTANT	.017	.033	.050	.067	.084	.100	.117	.134	.150	.167	.184	.200	.217	.233	.250	.267
FIRE & OIL RESISTANT	.018	.035	.053	.071	.088	.106	.124	.141	.159	.177	.195	.212	.230	.248	.266	.284
HEAT RESISTANT	.015	.030	.045	.059	.074	.089	.104	.119	.133	.148	.163	.178	.193	.208	.223	.238
HEAT & OIL RESISTANT	.017	.034	.052	.069	.086	.103	.120	.137	.155	.172	.189	.206	.223	.240	.257	.274

RECOMMENDED SERVICE TEMPERATURES	HOT MAXIMUM LOAD TEMPERATURE				COLD - LOW TEMPERATURE LIMIT	
	FINES OR MIXED		COARSE 2" OR OVER			
TYPE OF COMPOUND						
CWOR, MATCHLESS, MATCHLESS PLUS	180°F	82°C	200°F	93°C	-50°F	-46°C
GRANITE, GUARDIAN AR, PLATINUM, TITANIUM, MSHA-SFAR	180°F	82°C	200°F	93°C	-40°F	-40°C
MOG, MOR, MSHA-FF, ORP, ORWP, UGH	180°F	82°C	200°F	93°C	-30°F	-34°C
FIRE BOSS PLUS, MSHA-FFORN, ORN, MSHA-FFORNS	205°F	96°C	225°F	110°C	-15°F	-26°C
FIRE BOSS, MSHA-F	180°F	82°C	200°F	93°C	-30°F	-34°C
MSHA-FF, UGH	180°F	82°C	200°F	93°C	-30°F	-34°C
CGH, CSA-FF, CSA-FFOR, MSHA-FAR, MSHA-FFOR, MSH-FFAR, MSHA-SFAR	180°F	82°C	200°F	93°C	-40°F	-40°C
DELTAHEAT, WHITE DELTAHEAT	350°F	175°C	400°F	205°C	-40°F	-40°C
BUTYL	300°F	150°C	350°F	175°C	-40°F	-40°C
SAHARA, SAHARA SAR	250°F	120°C	300°F	150°C	-40°F	-40°C
OHR	200°F	93°C	250°F	120°C	-10°F	-23°C
SOHR	300°F	150°C	350°F	175°C	-10°F	-23°C
CSA-FFAR	180°F	82°C	200°F	93°C	-40°F	-40°C
GUARDIAN, ALUM	200°F	93°C	225°F	110°C	-30°F	-34°C

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