

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.



Specialty Cover Compounds

Duroslide®

- Low coefficient of friction slider bed compound for the Wood Product Industry
- .30 coefficient of friction
- Non-reverting, non-marking, highly abrasive blue rubber compound

ALUM

- Provides good abrasion resistance in elevated operating temperature environments
- Temperature resistant to 225° F (110° C)
- Ideal for Alumina, Clinker, Calcined Lime, and Gypsum
- Balanced covers such as 1/8" X 1/8" or 3/16" X 3/16" are recommended

Natural Tan Gum

- Natural rubber compound for slow down conveyor applications in the Wood Products Industry
- Soft compound with high coefficient of friction
- Non-marking, highly abrasive tan rubber compound

Special Requirement Covers

As new mining safety standards are introduced, Fenner Dunlop's research and development has designed compounds to meet the proposed safety requirements of the B.E.L.T., Factory Mutual Specifications and ISO 340 for flame retardant conveyor belting.

All flame retardant belting manufactured by Fenner Dunlop meets or exceeds the requirements as set forth by the code of Federal Regulations, Title 30, Section 18.65 part (2-G), administered by the Mine Safety and Health administration (MSHA) and ASTM D-378 on approved constructions.

All flame retardant belting will burn under some conditions. You must help protect your installation by becoming aware of, and practicing those safety standards set by your industry, whether mandated by law or not. Zero slip controls, side motion sensors, fire detection, and fire suppression equipment, such as that required by MSHA, should be included in any fire hazard control effort, in addition to the use of flame-retardant belting.

- **MSHA** - Meets U.S. Mine Safety and Health Administration requirements per MSHA Title 30, Section 18.65
- **STATIC CONDUCTIVE COMPOUNDS** - Greatly exceed the requirements as set forth by OSHA, tested by ASTM 25 and ISO 284 procedures
- **OSHA** - Surpasses U.S. Occupational Safety and Health Administration specifications for static conductivity
- **CSA** - Meets Canadian Standards Association M422 - M87 current specification for Grade C or B2

Contact Fenner Dunlop for special applications and/or cover compounds.



ENHANCED PERFORMANCE
CONVEYING PERFORMANCE
TO THE POWER OF 3

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"	7/32"	1/4"	9/32"	5/16"	11/32"	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	.247	.265	.282
HEAT RESISTANT	.015	.030	.045	.059	.074	.089	.104	.119	.133	.148	.163	.178	.192	.207	.221	.236
HEAT & OIL RESISTANT	.017	.034	.052	.069	.086	.103	.120	.137	.155	.172	.189	.206	.223	.240	.257	.274

RECOMMENDED SERVICE TEMPERATURES	HOT MAXIMUM				COLD - LOW	
	LOAD TEMPERATURE				TEMPERATURE LIMIT	
TYPE OF COMPOUND	FINES OR MIXED		COARSE 2" OR OVER			
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

Industrial Belting Sales:
(800) 241-1863
(404) 297-3170

Mining Sales:
(800) 537-4483
(419) 635-4068

Steel Cord and Export Sales:
(800) 661-2358
(705) 645-2228

Fenner Dunlop
Conveyor Belting Americas
21 Laredo Drive
Scottdale, Georgia 30079-0865

Telephone:
(404) 294-5272
Fax:
(404) 297-3174
Internet:
www.fennerdunlopamericas.com

NOTICE: Fenner Dunlop Americas provides data and specifications, written and verbal, as a service to our customers. As operating conditions and conveyor designs vary, system to system, no representation or warranty is made or implied by Fenner Dunlop Americas that the representative data and specifications provided herein are applicable to any individual system. Fenner Dunlop does not assume any liability whatsoever in regard to its use. The buyer of Fenner Dunlop products should determine for itself the suitability of such products for the particular purpose of the buyer or the specific uses to which the product will be applied. Please contact Fenner Dunlop Americas for determination of data and specifications for specific applications and designs.

Contact your authorized Fenner Dunlop Distributor for any and all of your conveyor and elevator belting applications.

A member of

FENNER & DUNLOP
CONVEYOR BELTING WORLDWIDE