

# CDP<sup>®</sup> Ceramic Drive Pulley Lagging

IMTECH<sup>®</sup> CDP<sup>®</sup> provides an immediate, cost-effective solution to conveyor drive problems, along with additional long term system benefits.

## Better lagging, plain and simple.

The combination of the uniquely designed ceramic drive segments and specially formulated rubber compound totally eliminates belt slippage, which is where other lagging systems typically fail.

The proprietary design of IMTECH<sup>®</sup> CDP<sup>®</sup> Ceramic Lagging ensures continuous system operation and optimum drive traction. CDP<sup>®</sup> lagging also efficiently removes the water and fines that build up under more extreme operating conditions.

In applications where ceramic lagging has been determined to be the best solution, IMTECH<sup>®</sup> CDP<sup>®</sup> provides the following important advantages over other systems:

- ▶ Improves belt traction and eliminates slippage
- ▶ Increases belt and pulley life
- ▶ Offers exceptional wear life and abrasion resistance
- ▶ Installs easily, either in place on site or in our workshop
- ▶ Minimizes system downtime
- ▶ Helps lower your cost per ton for moving material

IMTECH<sup>®</sup> CDP<sup>®</sup> lagging offers the optimum ceramic tile size and base rubber thickness for every conveying application.

### CDP<sup>®</sup> Standard Duty

For conveyor belts up to 600 PIW, 3/4" square tiles, 1/2" thick rubber



### CDP<sup>®</sup> Mine Duty

For conveyor belts up to 1800 PIW, 1" square tiles, 5/8" or 1" thick rubber

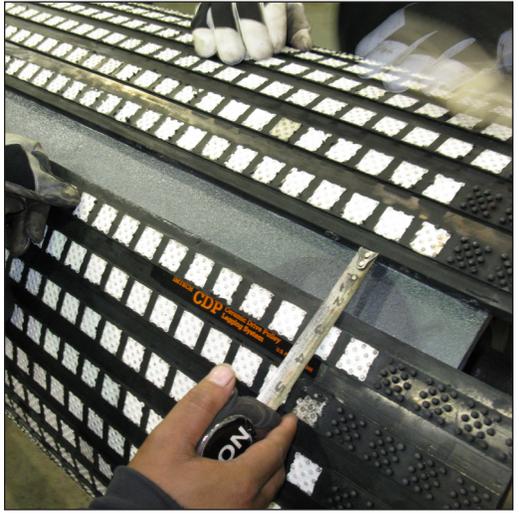
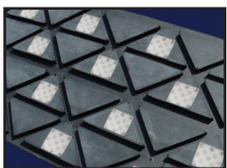


### CDP<sup>®</sup> Engineered Class

For conveyor belts above 1800 PIW, 1" square tiles, 1" thick rubber

## RDP-15C

Offers the same unique profile pattern and premium quality rubber compound as IMTECH RDP but with the added benefit of 15% ceramic tiles molded into the contact surface of the lagging for increased durability and traction.



*The specially formulated rubber compound adheres tightly to the pulley.*



*CDP<sup>®</sup> lagging can be easily installed on site.*

# CDP® Ceramic Drive Pulley Lagging



## Description

IMTECH® CDP® Ceramic Drive Pulley Lagging is a combination of high quality alumina ceramic, dimpled, profiled drive segments that are molded into a base of specially formulated natural and butadiene rubber.

CDP® lagging is designed to provide complete coverage of the pulley face, with ceramic drive segments spaced equal to or wider than the belt width. The individual lagging segments are 12" wide with a maximum of only 2" of rubber on each side of the ceramic segment extending to the pulley edge. The standard lagging is manufactured to 5/8" thickness.

The individual ceramic drive segments are placed to ensure optimum performance, and to eliminate the loss of ceramic tiles from the rubber base, as is common with other ceramic lagging products. The ceramic segments measure 1" x 1" x 0.255".

## Bonding System

IMTECH® CDP® is supplied with a specially prepared surface, which has been buffed and primed, and requires no additional preparation prior to bonding. This surface facilitates installation

and provides excellent adhesion when used in conjunction with IMTECH® STR™ two-part cold bonding cement systems. Adhesive application instructions and surface preparation procedures are available upon request.

## Calculating Material Requirements

By inserting the following key measurements from your existing (or planned) pulley application in the formulas below, you can determine the lagging material required.

$$\text{Pulley Diameter} \times 3.142 = \text{Pulley Circumference}$$

### STANDARD DUTY

$$\frac{\text{Pulley Circumference}}{15.5} = \text{Number of CDP® Ceramic Lagging Strips Required}$$

### MINE DUTY and ENGINEERED CLASS

$$\frac{\text{Pulley Circumference}}{12} = \text{Number of CDP® Ceramic Lagging Strips Required}$$

$$\frac{\text{Circumference} \times \text{Face Width}}{144} = \text{Pulley Surface Area in Square Feet}$$

$$\frac{\text{Pulley Surface Area in Sq. Ft.}}{7} = \text{Number of 0.8 Liter STR™ Cement Kits Required}$$

## Product Availability

IMTECH® Standard Duty CDP® Lagging is available in 144" rolls for reduced waste (full rolls only).

Part No.	Thickness	Width	Length
CDP SD-1/2	1/2"	15"	144"

Part No.	Thickness	Width	Length
RDP-15C 1/2-20	1/2"	12"	20'

IMTECH® MINE DUTY and ENGINEERED CLASS CDP® Lagging is custom made for standard size pulleys and can be made to order as required. (Cannot be made custom for diameters. 12" wide strips only.) Available in CDP-M MSHA compounds.

Part No.	Belt Width	Pulley Face Width	Ceramic Strip Length ("A")	Overall Strip Length ("B")
CDP-18	18"	20"	19"	28"
CDP-24	24"	26"	25"	34"
CDP-30	30"	32"	31"	40"
CDP-36	36"	38"	37"	46"
CDP-42	42"	44"	43"	52"
CDP-48	48"	51"	49"	60"
CDP-54	54"	57"	55"	66"
CDP-60	60"	63"	61"	72"
CDP-72	72"	76"	73"	84"
CDP-78	78"	81"	79"	89"
CDP-84	84"	87"	85"	96"
CDP-96	96"	as required	as required	as required



### IMTECH Sales Office

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