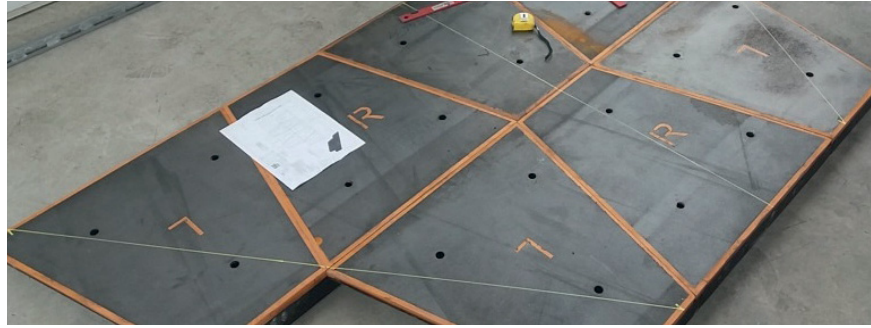




// ONE BRAND // ONE SOURCE // ONE SYSTEM



## REMA MODULAR SYSTEM - RMS

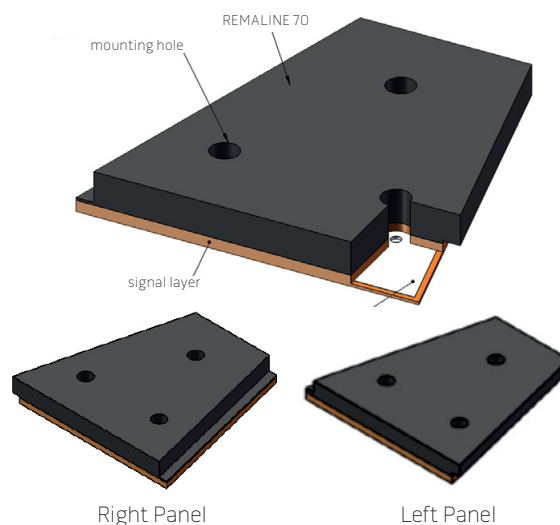
Modular wear system consisting of high wear resistant plates designed in a unique shape so they can easily be combined to fit your system.

## REMA MODULAR SYSTEM - RMS

### Modular Wear Protection System

#### RMS-MP-70

**RMS-MP-70** are trapezoidal shaped modules that interconnect. Designed in one standard outer dimension for interchangeability, but available in various thicknesses. They are constructed using high wear-resistant **REMA PERFORMANCEline 70** with **REMALINE 40 Orange** as a signal layer hot vulcanized on 5 mm metal backing S235 (St-37). Thickness of the **REMALINE 40 Orange** signal layer depends on the total thickness of the **RMS-MP-70** module. Mounting holes are already inserted at the specified distance. The vulcanized metal backing plate prevents fine material from settling under the lining and allows for secure fastening.



#### Advantages

- Protection against impact wear from dry, sharp-edged material
- The tongue and groove system improves the total armor stability and prevents fine material from intruding between the modules
- Trapezoidal shape reduces wear (wash-out at joints)
- Long service life, increased plant productivity
- Quick installation with secure fastening
- Easy replacement / flexible design
- Optimum surface protection with wear indicator (signal layer)
- Reduces vibration and noise pollution
- Weather-resistant
- Further material qualities available

#### Typical applications

- Medium to very heavy-duty applications in mining, quarries, and sand & gravel
- SKW troughs, primary bunkers, bunkers, chutes, loading points, feeders, gutters, funnels, silos, etc.
- Screen Machine
  - feed box
  - discharge plate
  - under size chute
  - over size chute
- Mobile Crushing and Screening Equipment
  - hopper
  - vibrating chute
- Dump Truck Bed
- Primary Hopper
- Transfer Point

#### RMS-MP-70

##### Technical Data:

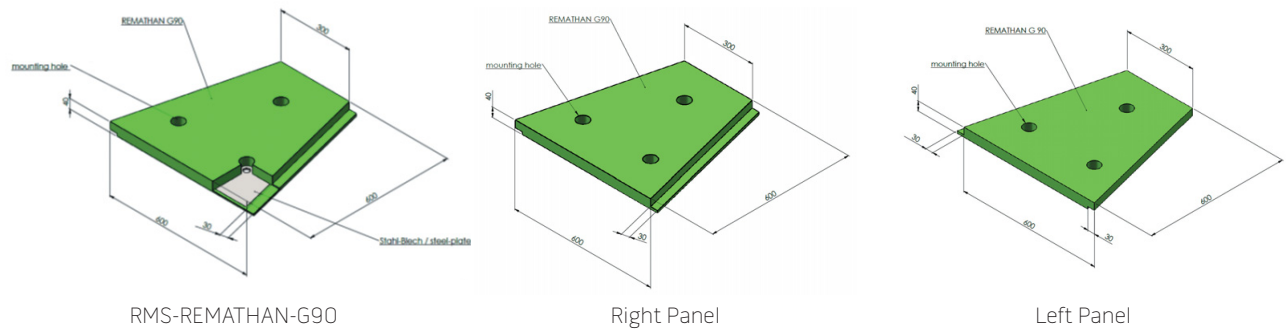
<b>Product designation</b>	REMA PERFORMANCEline 70 is a compound made of natural rubber and butadiene rubber with excellent wear resistance to dry abrasion and impact.	
<b>Color</b>	Black	
<b>Polymer</b>	NR/BR	DIN ISO 1629
<b>Specific weight</b>	1.12 g/cm <sup>3</sup> (69.92 lb/ft <sup>3</sup> )	DIN EN ISO 1183-1
<b>Hardness</b>	65 ± 5 Shore (A)	DIN ISO 7619-1
<b>Available delivery sizes</b>	Standard thickness in mm (inches)	40, 60, 80, 100, 120, 150 (1.57", 2.36", 3.15", 3.94", 4.72", 5.90")
	Standard width x length in mm (inches)	300/600 x 600 (11.81"/23.62" x 23.62")

# REMA MODULAR SYSTEM - RMS

## Modular Wear Protection System

### RMS-REMATHAN-G90

RMS-REMATHAN-G90 modules are constructed of high wear-resistant polyurethane grade **REMATHAN G90** mounted on a 5 mm steel support plate S235 (ST-37). Mounting holes are already inserted at the specified distance. The steel support plate prevents fine material from settling under the lining and allows for secure attachment.



#### Advantages

- Highly wear-resistant
- Oil and grease resistant
- High tear resistance
- Trapezoidal shape reduces wear (wash-out at joints)
- Quick installation with secure fastening
- Easy replacement / flexible design
- Hydrolytic stability
- Resistant to microbes
- Applicable from -22°F to +176°F (-30°C to +80°C)

#### Typical Applications

- Areas with abrasion wear and caking
- Enviroments exposed to oil and grease
- Medium-heavy mining, quarries, sand and gravel and other bulk industries
- Bunkers, chutes, loading points, feeders, gutters, funnels, silos, etc.

### RMS-REMATHAN-G90

#### Technical Data:

Color	Green	
Polymer	Polyurethane	DIN ISO 1629
Specific weight	1.22 g/cm <sup>3</sup> (76.16 lb/ft <sup>3</sup> )	DIN EN ISO 1183-1
Hardness	90 ± 5 Shore (A)	DIN ISO 7619-1
Available delivery sizes	Thickness	40 mm (1.57 in)
	Width x Length	300/600 x 600 mm (11.81"/23.62" x 23.62")

## REMA MODULAR SYSTEM - RMS

### Modular Wear Protection System

#### RMS-REMALOX-HD

RMS-REMALOX-HD modules are made of high wear-resistant 92% Al<sub>2</sub>O<sub>3</sub> ceramic tiles vulcanized in a special rubber matrix. A 5 mm steel plate S235 (ST-37) is hot vulcanized to the back. The vulcanized steel support plate allows secure attachment via welding studs.



RMS-REMALOX-HD

#### Properties

- Extremely high abrasion resistance
- Long service life increases plant productivity
- Quick installation with secure fastening
- Trapezoidal shape reduces wear (wash-out at joints)

#### Typical fields of application

- Areas with extreme abrasion wear, especially from high speed material
- Areas with small impact angles
- Light to medium mining, quarries, sand & gravel and other bulk industries
- Vibratory feeders, skips, bunkers, chutes, loading points, hoppers, silos, etc.

#### RMS-REMALOX-HD

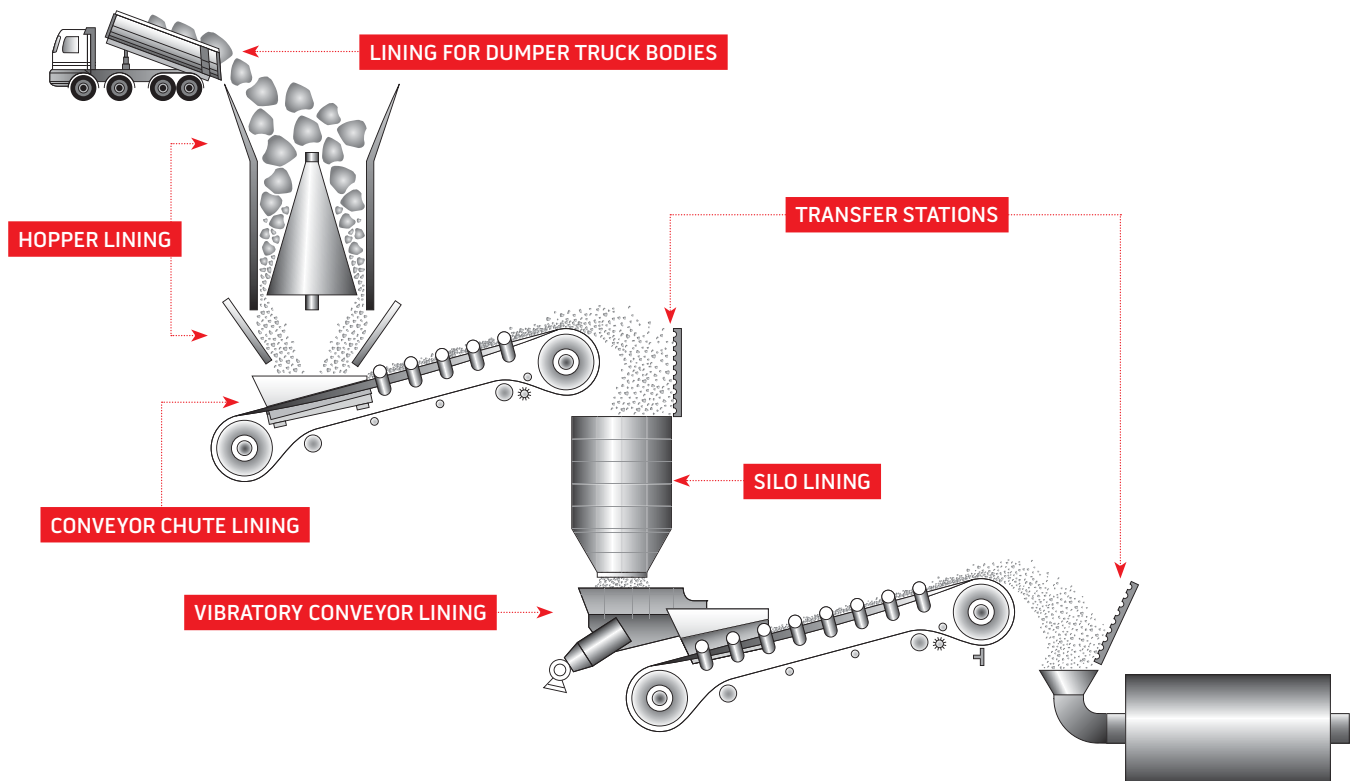
##### Technical Data:

Color	Black	
Polymer	NR/BR/SBR	DIN ISO 1629
Specific weight	1.12 g/cm <sup>3</sup> (69.92 lb/ft <sup>3</sup> )	DIN EN ISO 1183-1
Hardness	62 Shore A	DIN ISO 7619-1
Available delivery sizes	Thickness	40 mm, 80 mm (1.57", 3.15")
	Width x Length	300/600 x 600 mm (11.81"/23.62" x 23.62")

# REMA MODULAR SYSTEM - RMS

## Modular Wear Protection System

### AREAS OF APPLICATION



### REMA Modular System - RMS - Possible Applications

	RMS-MP-70	RMS-REMATHAN-G90	RMS-REMALOX-HD
SKW Troughs	✓		
Primary Bunkers	✓		✓
Vibratory Feeders			✓
Skips			✓
Bunkers	✓	✓	✓
Chutes	✓	✓	✓
Loading Points	✓	✓	✓
Feeders	✓	✓	
Gutters	✓	✓	
Funnels	✓	✓	
Silos	✓	✓	✓
Feed Box	✓		✓
Discharge Plate	✓		
Under Size Chute	✓		
Over Size Chute	✓		✓
Hopper	✓		✓
Vibrating Chute	✓		
Dump Truck Bed	✓		
Primary Hopper	✓		
Transfer Point	✓		✓



# REMA MODULAR SYSTEM - RMS

## Modular Wear Protection System

### FAQs

#### Are the RMS modules interchangeable?

Yes, all module styles are interchangeable with one another (i.e. **REMALOX** and **REMATHAN** modules can be combined or interchanged). The **RMS-MP-40 60 & 70** plates for medium duty application can be interchanged as desired. The **RMS-MP-70 80, 100, 120 and 150** modules for heavy duty applications are compatible.

#### Are there special designs for the RMS-MP-70 modular wear system?

No, there is only one size (left and right Version). The value of a modular system is minimize the standard sizes to enable the desired exchangeability. This removes the need for drawings or parts lists. The modules are easy to cut on site and decrease the number of different spare parts required, creating an economic advantage.

#### Can I replace individual modules?

Yes, that is one of the advantages of the **RMS system**, enabling the replacement of modules that experience greater wear.

#### Can I exchange a worn panel with a one that isn't worn?

Yes, both panels need to be of the same version (Left or Right).

#### The REMALOX panel doesn't have the tongue and groove connection design?

Correct, the **REMALOX** panel comes with straight walls. To install the **REMALOX** module with a **RMS-MP-70** panel, you will need to cut the rubber lip from the **RMS-MP-70** module and add a provided rubber strip under the other edge. The position of the stud bolts are in the same position as on the rubber panel.

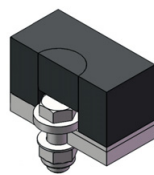
#### How do I know how many Right or Left panels I need?

**REMA TIP TOP** will evaluate your part and determine the correct number of Right and Left modules needed.

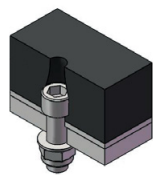
#### How are the RMS modules attached?

There are different methods to mount the modules.

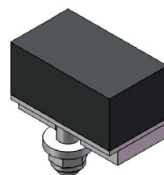
Here are a few options:



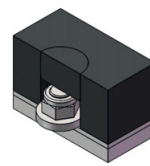
Hexagon Bolts



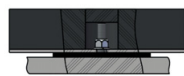
Hexagon Socket Screw



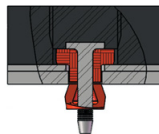
Stud Welding Bolts



Stud Welding Bolts on steel construction



Magnetic Pads

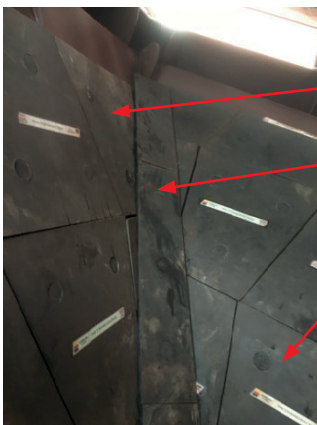


Pin & Sleeve



Magnetic Pads on steel construction

### Accessories



Steel fixing element

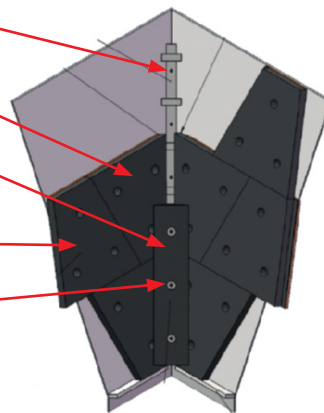
RMS-MP-70 Module cutout

Corner element in rubber or polyurethane

RMS-MP-70 Module Version right/left

Fixing M16/M20

Steel ending

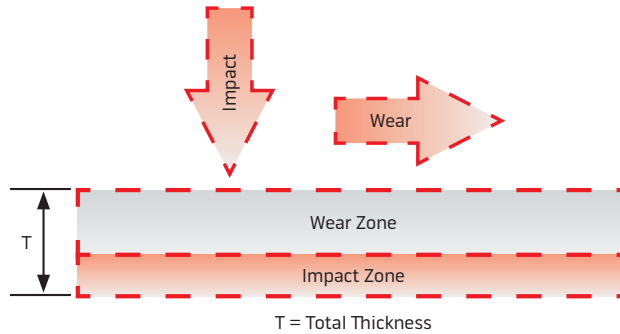
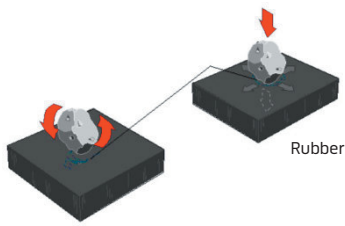


## REMA MODULAR SYSTEM - RMS

### Modular Wear Protection System

#### RMS-MP-70

##### Selection of Rubber Thickness

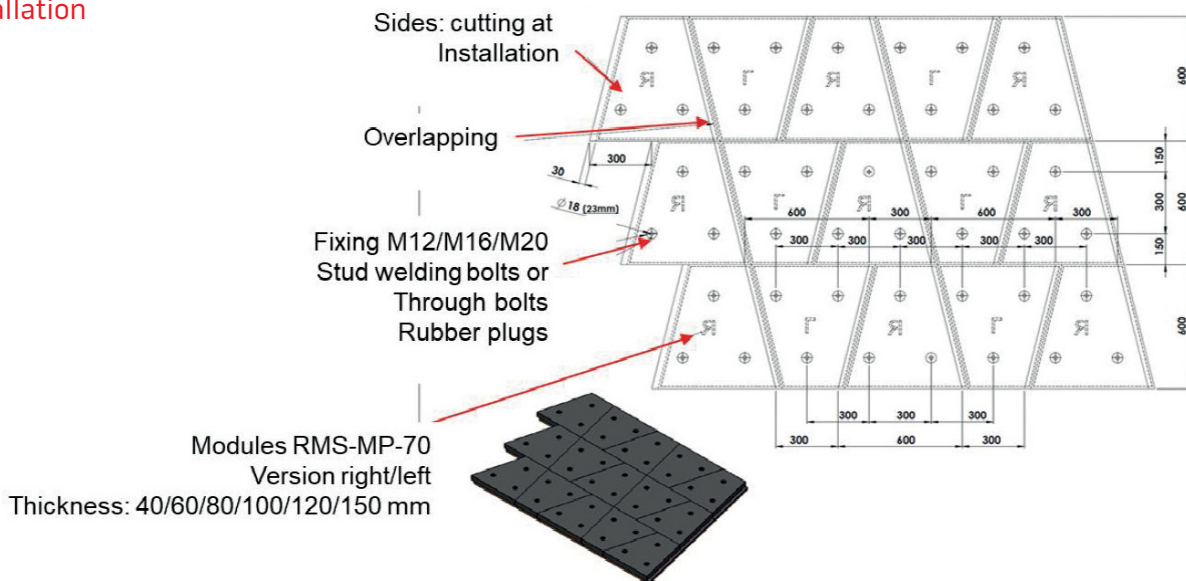


For impact angle: 0° - 10° and 50° - 90°

Particle size: mm (inches) →	25 (1")	50 (2")	75 (3")	100 (4")	150 (6")	200 (8")	300 (12")	500 (20")	700 (28")	1000 (39")
Weight: kg (lbs) →	0.1 (0.22)	0.3 (0.66)	1 (2.2)	3 (6.5)	10 (22)	30 (66)	100 (220)	300 (660)	1000 (2200)	3000 (6610)
Drop height: m (ft) ↓	Rubber thickness: mm (inches)									
0.5 (1.64')	8 (0.31")	10 (0.39")	12 (0.47")	20 (0.79")	25 (0.98")	30 (1.18")	40 (1.57")	50 (1.97")	80 (3.15")	100 (3.94")
1.0 (3.28')	10 (0.39")	12 (0.47")	15 (0.59")	25 (0.98")	30 (1.18")	40 (1.57")	50 (1.97")	60 (2.36")	100 (3.94")	100 (3.94")
1.5 (4.92')	12 (0.47")	15 (0.59")	20 (0.79")	30 (1.18")	40 (1.57")	50 (1.97")	50 (1.97")	60 (2.36")	100 (3.94")	120 (4.72")
2.0 (6.56')	15 (0.59")	20 (0.79")	25 (0.98")	40 (1.57")	40 (1.57")	50 (1.97")	60 (2.36")	80 (3.15")	120 (4.72")	120 (4.72")
2.5 (8.20')	20 (0.79")	25 (0.98")	30 (1.18")	50 (1.97")	50 (1.97")	60 (2.36")	80 (3.15")	80 (3.15")	120 (4.72")	120 (4.72")
3.0 (9.84')	20 (0.79")	25 (0.98")	40 (1.57")	50 (1.97")	60 (2.36")	60 (2.36")	80 (3.15")	100 (3.94")	120 (4.72")	150 (5.91")

Sample: Particle size: 39 in; Weight: 6610 lbs; Drop height: 9.84 ft; Impact angle: 90°; Rubber thickness: 5.91 in.

##### Installation



## REMA TIP TOP Product & Solutions

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### CONVEYING SOLUTIONS

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#### Pulley Lagging

- PERFORMANCE GRIP 70
- REMAGRIP
- REMAGRIP Ceramic Lagging
- UNIGRIP
- UNILAG
- T-REX

#### Belt Cleaners

- REMACLEAN - T-Bar Scrapers
- REMACLEAN - Green Combi
- REMACLEAN - Grey Combi
- REMACLEAN - Cleaning Brush

#### Skirting

- REMASKIRT
- Combi-Skirt
- T-REX
- UNISKIRT

#### Repair Products

- Repair Patches
- Repair Strips
- REMA GOO
- RG 7000
- T2 Repair System

#### Other

- Conveyor Belting
- REMACLEAT
- Edge Wall
- Impact Slider Bed Bars
- REMAMILL
- REMASCREEN

#### Rollers & Pulleys

- REMASLEEVE
- REMAROLL
- REMATRACK

### WEAR & CORROSION PROTECTION

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#### Wear Protection Lining

- REMA Performance Line
- REMALINE
- REMASTAR
- UNILINE
- REMATHAN
- T-REX

#### Rubber Linings

- CHEMOLINE
- CHEMONIT

#### Heavy Wear Protection

- REMALOX
- REMALOX HD
- KG Bars
- ZP Profile Bars
- REMA WEAR Repair

#### Anticaking

- REMAFLOX
- REMALEN
- REMASLIDE

#### Corrosion Coatings & Linings

- COROFLAKE
- COROGARD
- COROFLOOR
- TOPLINE
- RCC LININGS
- COROFLEX

#### Material Handling Hose

- Fixed Flange
- Split or Swivel Flange
- Cut End Hose

### ADHESIVES & SOLUTIONS

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#### Cements & Adhesives

- SC 2000 Black / White
- SC 4000 Black / White
- BC 3004 Blue Cement
- PC-4 Plastic Cement

#### Solutions

- PR 200 Metal Primer
- #13 Cleaning Solvent
- R50 Cleaning Solvent
- TIP TOP Hand Cleaner
- A&B Vulc Compound

#### Splice Kits

- Hot Splice Kits
- MSHA Splice Kits
- WK Press and Splice Material
- Filler Rubber
- CN Bonding Rubber

### TOOLS & REPAIR

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#### Tools

- Rubber Cut Saw
- Extruder Gun
- Vulcanizing Presses
- Combi Stripper
- Grooving Tool

#### Other

- REMAWRAP Pipe Repair
- OTR Tire Patches



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