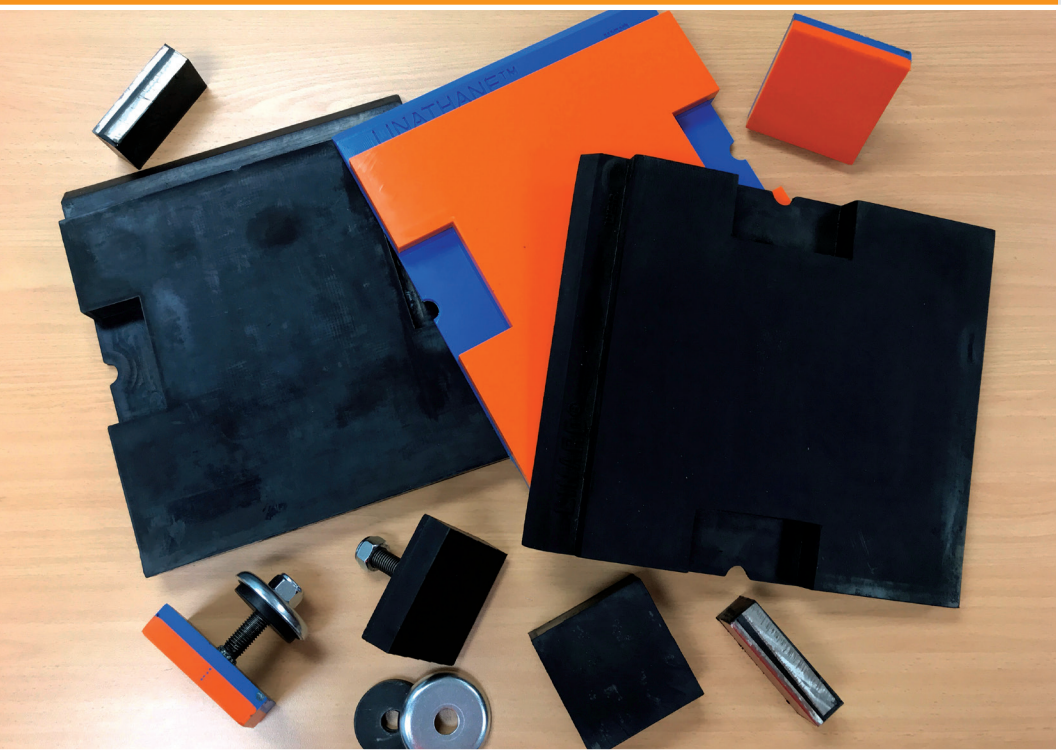
Linard® Rubber & Linathane® Polyurethane

Modular Anti-Abrasion Panels

Technical Specifications

Minerals



Applications

- Mining and minerals processing
- Aggregates handling
- Hoppers and under-pans
- Chute lining
- Dredging

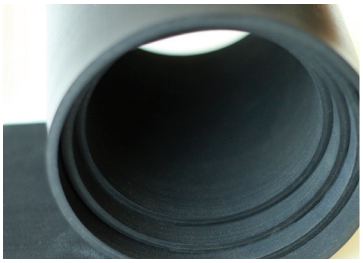
Fully customisable, high performance anti-abrasion solutions

By working closely with our customers in the mining and minerals processing sectors, our expert engineers have developed high performance wear panels for use in all medium to high wear applications. Our modular anti-abrasion panels are ideally suited for localised impact and wear points, and assist in the suppression of noise and vibration.

Our modular anti-abrasion panels are manufactured from Linathane® polyurethane or Linard® HD60 rubber, materials engineered for superior abrasion, cut and impact resistance. The Linard® HD60 panels feature compression moulded natural rubber, with embedded high chromium white iron or ceramic wear resistant blocks for long wear life. The all-polyurethane Linathane® panels feature an orange base with a blue wear indicator layer to assist with maintenance scheduling.

These modular panels are easy to fit and replace, and use a self-sealing design to reduce both installation time and costs. Each panel measures 300mm x 300mm and is available in 30mm and 50mm thicknesses to ensure the best fit for your specific operating conditions. The interlocking plug design ensures easy alignment, and the secure fastening mechanism reduces the chance of fine material ingress between panels to promote even wear patterns.

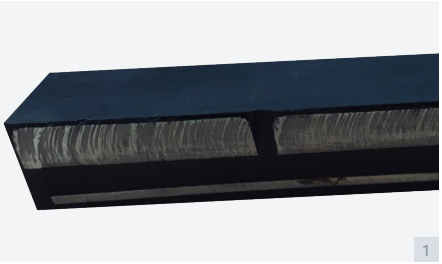
Each modular anti-abrasion panel solution can be customised to suit specific lining requirements, including availability of a range of arc studs attached to plugs and left and right corner panels.



Our Linard® rubber compounds and Linathane® polyurethane have been specifically formulated to provide outstanding resilience to abrasion, impact, cutting, tearing and wear. This is designed to extend wear life and achieve the lowest total cost of ownership for our customers.

Design features

- Utilises a premium quality rubber compound providing superior performance in areas of abrasion, impact and wear
- Linathane® is a premium quality polyurethane that has an anti-friction compound for use in areas where hang-ups and sticky ore occurs
- Hard wear surface for use in a variety of applications
- Excellent noise and vibration dampening
- Minimal downtime and loss of productivity
- Quick and easy to fit and replace, utilising a simple panel and plug fixing mechanism
- Supplied in convenient 'kit' form, complete with a range of arc studs attached to plugs to suit your application
- A cost effective and practical solution for relining
- All panels can be used across a variety of applications to create a truly customised wear solution



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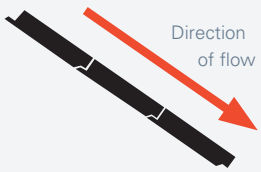

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1: White iron wear resistant blocks.

2: This diagram shows the correct method of installation. Please note that the gaps between the panels shown in the diagram are only included to indicate the individual Linard® panels.

3: Linard® modular anti-abrasion panels in action.

Selecting the right panels for the job

- High Wear Areas - Linard® HD60 rubber panels with embedded high chromium white iron or ceramic wear resistant blocks.
- Medium Wear Areas - Polyurethane Linathane® panels.
- Low Wear Areas - Linard® HD60 rubber panels.

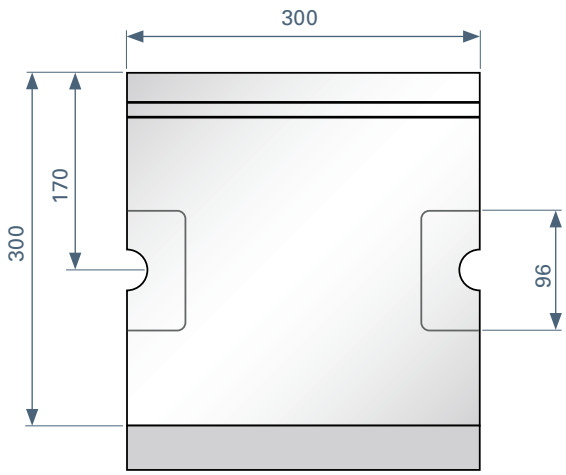
Fitting our modular anti-abrasion panels

- Identify the direction of flow prior to installation. This determines the installation pattern of the modular anti-abrasion panels and is important to prevent ingress of fine material between the supporting structure behind the panel (e.g. chute or launder).
- All modular anti-abrasion panels should be cut with a high-pressure water-cutting machine.
- Once cut to size, the panels are laid out in the chute and the positions of the holes can be marked using a paint spray can.
- It is important that the panels are fitted flush with each other. Gaps between panels should be avoided.
- The mild-steel arc-studs supplied fixed to the interlocking plugs are used to secure the panels. The panels can then be tightened up from the outside using nyloc nuts.

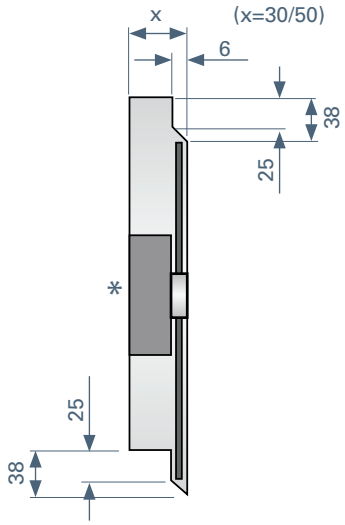
Typical Physical Properties

Colour	Linard® - Black Linathane® - Blue and Orange
Hardness of wear material	Linard® HD60 rubber (60 shore) Ultrachrome® White iron (700BHN Min) Ceramic (92% Alumina) Linathane® (90 shore A)
Base material	Linard® HD60 rubber c/w 3mm mild steel capsulated
Panel Dimensions	Each panel 300mm x 300mm (all thicknesses)
Application	Linard® HD60 rubber - medium impact and abrasion Linard® HD60 LH & RH rubber panels - medium impact and abrasion corners White iron and Linard® HD60 rubber - high impact and abrasion Ceramic and Linard® HD60 rubber - high abrasion Linathane® - medium impact and abrasion - high clay hang-ups

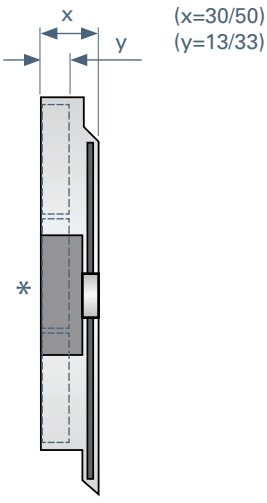
NOTE: all measurements in mm.



Standard Panel



Composite Panel



*Plug dimensions are 94mm x 94mm. Plug thickness is 24mm or 44mm depending on whether you select the 30mm or 50mm panels.

Weir Minerals

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