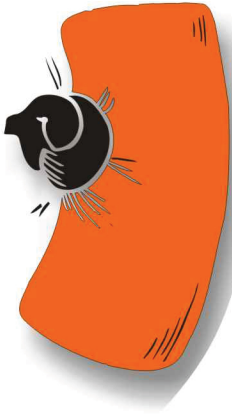


Norzorb Anti-Rebound Material

Norzorb is the industrial shock absorber...



Norzorb is an anti-rebound material made from a uniquely formulated polymer that absorbs up to 75% more energy than typical polyurethane formulations.

These unique characteristics offer an excellent choice for high impact applications where severe “bounce-back” is a concern.

Features:

- Unique composition provides a custom designed cushion for a variety of product specific transfers and process applications
- Offers reduced product & structural damage and crystallization of welds caused by high-impact applications
- Designed to reduce ongoing maintenance or replacement of standard impact shields
- Assists in increasing productivity and production flow

Benefits:

- Reduce Product Damage
- Reduce Structural Damage
- Reduce Rebound
- Reduce Mis-trim
- Reduce Noise
- Reduce Maintenance

Applications:

- 3 Stage Ending Fences
- Standard Ending Fences
- Roll Case Transfers
- Planer Out-feeds
- High-speed Transfers
- Log Stops
- Cant Stops

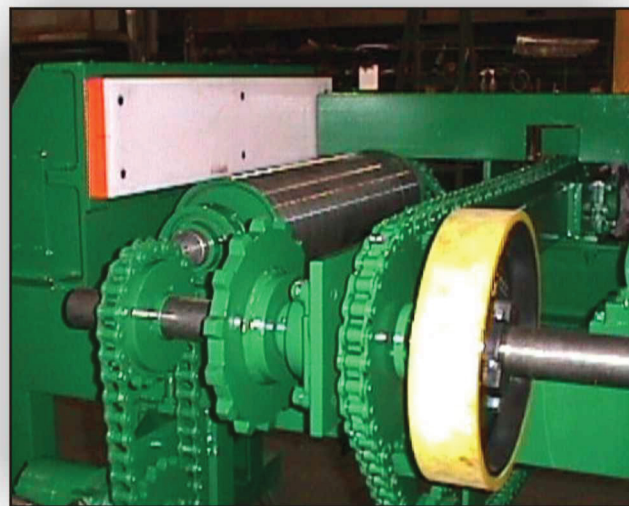
Contact Northern Plastics today for the product and application that is right for you.



Reduce Maintenance & Improve Production



Reduce Product & Structural Damage



Carry-over Wheels / Norzorb Bumpers

Norzorb is a trademark of Northern Plastics Ltd

Properties

Hardness	A	50
100% Modulus	Psi	170
300% Modulus	Psi	270
Tensile	Psi	3050
Elongation	%	720
Tear D470	Pli	42
Bayshore Rebound	%	3

- Tested at ambient temperature
- Low temperature limits approximately - 40°C.
- Material will harden at low temperatures, resulting in decreased performance of approximately 25%

RECOMMENDATIONS:

- Small boards running fast use ¾" thick Norzorb
- 1"x4" - 2"x4" Use 1" thick Norzorb.
- 2"x6" - 8", 10" Use 1 ½" thick Norzorb
- Cants use 2" thick Norzorb
- Logs use 2"+ thick Norzorb

TIPS:

Colour - Orange

- Thicker is NOT Better!
- Material requires a Solid Sub-straight to prevent sagging
- Fence applications using "Live Rolls", a UHMW face is recommended to prevent tearing of surface
- For heavy duty applications (logs) a steel face over the Norzorb would be recommended

Contact Northern Plastics today for the product and application that is right for you.

Application

Norzorb Plate Only: (no steel backing)

Norzorb is fastened by mechanical methods such as bolts, lag screws, clamps, etc. when no backing is used. Whenever possible, fasteners should be placed so they are outside the impact zone.

NOTE: It is important that the impact plate is not allowed to bow or buckle, as this would result in a loss of energy absorption.



Norzorb Steel Backing: (mild steel plate)

Most impact plates are bonded to a steel backing plate that have a perimeter flange to allow for bolting or welding in place. The steel backing ensures that the impact plate is kept flat, thereby maximizing the absorption factor.



Norzorb Sandwich Plate: bonded to steel backing & face plate (severe applications)

In extreme applications the Norzorb plate is secured between two steel plates to disperse the loading of the impact zone.

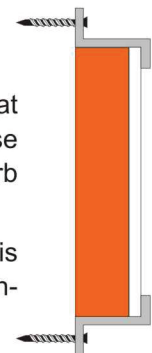
This configuration offers additional support, prevents premature wear of the impact zone and extends part/plate life.



Norzorb c/w UHMW-PE protective facing

There are several variations of protective facing that can be applied to Norzorb Plate. In most cases, the use of protective facing will extend the life of the Norzorb plate and structural frame.

The most common facing is a UHMW-PE sheet that is mechanically fastened and easily replaced when worn-out.



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