



LOAD-BEARING PADS

Urethane load-bearing pads are increasingly used in bridge construction, replacing older technology elastomers such as Natural and Exotic Rubber. Cast polyurethane polymers provide bridge designers with a bearing pad material with excellent load capabilities and superior physical properties, including tensile strength and tear resistance. Polyurethane load-bearing pads outperform rubber in abrasion resistance and resistance to deterioration.

Unlike rubber materials, polyurethane has a high resistance to deterioration due to ozone attacks and has a much higher life expectancy. Testing to AREMA (ATSM D1149) shows that polyurethane has a 5x higher resistance to breaking down in high levels of ozone than rubber materials.

Our Bridge-Bearing Pads are:

- Manufactured with Iracore's proprietary polyurethane, providing high resistance to abrasion, impact, UV radiation, and oxidation
- Engineered to outperform and outlast conventional polyurethane, polyethylene, rubber, and steel
- Designed to perform at temperatures as low as -40 degrees
- AREMA approved
- Proven to have a high-load capacity
- Available in 70 to 80 range of durometers
- Cost-effective and competitively priced with conventional rubber and neoprene pads
- Designed for each specific application for size and load



Proven to Outperform

Since 1957, Iracore has been proven to outperform in our clients' toughest wear environments by leading the innovation, design, and manufacturing of engineered products, including lined pipe.

Studies have shown time and time again how Iracore materials deliver higher value than metal and other polymer materials.

Iracore is the manufacturer of elastomer wear products for abrasion and corrosion applications:

Urethane – Cast and Spin Cast:

- Iracore develops and compounds custom polyurethane materials for specific conditions

Rubber – Vulcanized and Cold Bond:

- Soft Natural Gum Rubber (NGR)
- Neoprene 0555*
- Moderate Oil Resistance (MORS)
- Chlorobutyl / Bromobutyl (Butyl)
- Hot Process Water and other custom applications

Combination – Iracore™ System



* Highest wearing Neoprene for use in Oil Sands – rated by the NRC

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