

WHAT IS GRIP METAL™?

GRIP Metal is a stamping process created to modify sheet metal surface, applying an array of micro-formed hooks that can physically adhere with other materials without the use of traditional adhesives. Diverse materials such as rubbers, plastics, wood and wood composites, concrete, carbons, glass fibers, papers, friction composite materials, and many others, can be physically adhered to GRIP Metal substrates.

GRIP Metal can be used as either a point of bonding for these materials within larger structures, or as a mediating layer between different materials, lending structural strength to less capable or inherently fragile structures and composites.

GRIP Metal is a global material for today's global market. It is manufactured in Canada, United States, Spain and China. Also with more than 10+ licensees worldwide the supply can meet all demand requirements.



**GRIP
METAL**
A METAL SURFACE MODIFICATION
TECHNOLOGY

1.888.682.7253
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www.gripmetal.com

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TECHNOLOGY

**GRIP METAL™ CAN
BE APPLIED TO THE
MANUFACTURING
OF ANYTHING!**

www.gripmetal.com

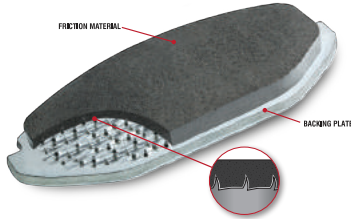
OPEN TO DISCOVER ALL POSSIBLE APPLICATIONS FOR GRIP METAL™

HISTORY OF THE TECHNOLOGY

The technology that drives GRIP Metal™ stems from the NUCAP® Retention System (NRS™) which is a patented process for the surface modification of disc brake backing plates, adding a consistent matrix of raised steel hooks that facilitate a mechanical bond between disc brake plate and friction materials. This patented technology won the automotive PACE award in 2001 and is now the premiere Mechanical Attachment Technology in the world with a ZERO failure rate on over 1 Billion units Worldwide!



The winner of the prestigious "2001 Pace Award" for the most innovative manufacturing process.



NRS™ hooks mechanically bonded to friction material

- GRIP METAL & CONCRETE
- GRIP METAL & RUBBER
- GRIP METAL & WOOD
- GRIP METAL & ENERGY

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Solar energy applications

Lightweight composite panels

Pre-formed brick & concrete facades

HVAC Equipment & heat recuperation

Lightweight composite floor panels and seat frames

Fire-resistant cladding

Interior wall panels

Battery Coolers

Underground water/wastewater structures

Modular pre-formed concrete structures and foundations

Heated floors

Lightweight composite deck

Lightweight composite mast

Blades composite hollow

AVAILABLE AS ROLLS OR SHEETS



OUTSTANDING STRENGTH, LOW WEIGHT, SCALABLE IN USE

GRIP Metal™ provides the strongest mechanical bond with the use of the lightest and easily available core materials.



WOOD VENEER

GRIP Metal™ and wood veneer: coming together to make a strong, attractive composite. From 3-layer to 11-layer, or as many as you need for your application, the possibilities are endless.



CONCRETE

A new way to reinforce concrete and greatly reduce labour-intensive preparation. Culverts and bridge spans are faster to build and handle, eliminating reinforcement bars and even molds.



ENERGY

GRIP Metal™ technology provides surface modification of metallic materials that dramatically raises heat transfer rate by increasing surface area and acting as a perfect turbulator.



RUBBER

Taking the noise suppression, impact resistance, and flexibility of recycled rubber to create roof tiles, acoustic panels and even fire-rated cladding.