



PENNGUARD™ BLOCK LINING SYSTEM

The original, proven system to protect industrial gas chimneys and ducts from corrosion.



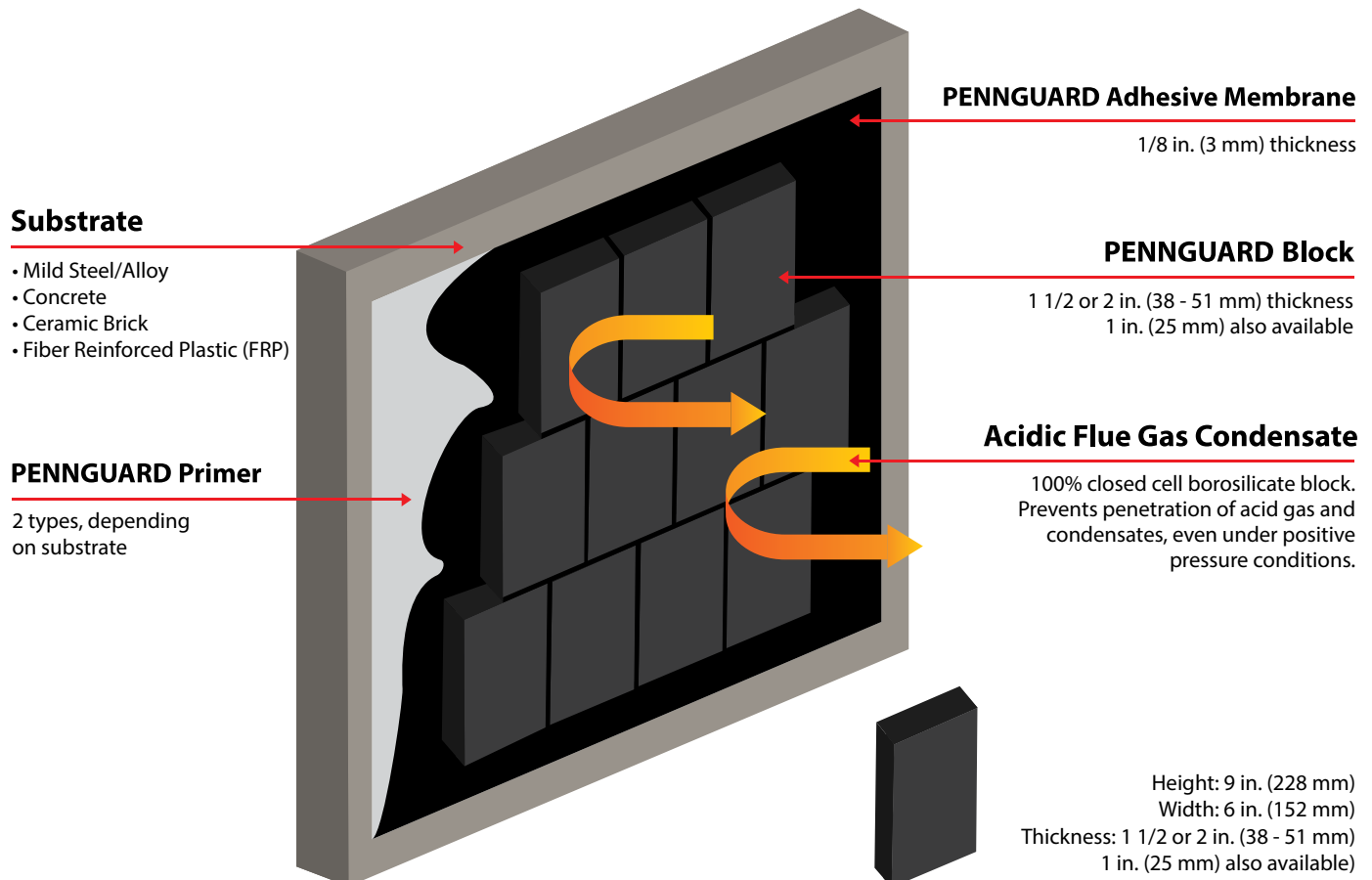


PENNGUARD™ BLOCK LINING SYSTEM

One brand is recognized as the most reliable and acknowledged leader in corrosion-resistant chimney and duct linings for industrial gas handling—PENNGUARD Block Lining System from Armor Limited, Inc.

Since the earliest field trials in the late 1970's, the use of PENNGUARD Block Lining System expanded to a cornerstone of the largest projects and retrofits throughout the world.

For wet flue gas desulfurization (FGD), reheater, fuel conversions, or high-temperature bypass, whether new construction or retrofit, PENNGUARD Block Lining System offers the most cost effective and reliable corrosion protection for its field of use in the market today.



FEATURES

CHEMICAL RESISTANT

Suitable for a wide range of fuels (coal, oil, petcoke, lignite, natural gas, biofuels) and operating conditions, from low-temperature wet flue gas to high-temperature, untreated flue gas, even with high SO_2 or SO_3 content.

TEMPERATURE & FIRE RESISTANT

Handles dynamic conditions including continuous cycling common in peaking plants, typical temperatures up to 392°F (200°C), and higher for short-term events. The system has been proven to resist thermal events in fires and is FM approved.

LONG SERVICE LIFE

Highly resilient and durable. Many installations are still in use after 20 years with virtually no maintenance or repair.

VERSATILE

Suitable for new construction directly bonded to either steel or concrete, or for retrofits, where it can be bonded to an existing brick liner, the concrete windshield, flake glass coatings, FRP or pitted alloys.

PROVEN IN ACTIVE SEISMIC ZONES

Chimneys lined with the PENNGUARD System have survived real-world earthquakes without incurring damage. This capability makes the system an obvious chimney lining candidate in seismically active zones.

LIGHTWEIGHT

An installed PENNGUARD Lining weighs just 2.5 - 3 lbs/sq ft (12.2 - 14.5 kg/sm), can be directly installed overhead and does not require anchoring.





The PENNGUARD Block Lining System has been used to solve a variety of complex problems. Whether your issues are corrosion, thermal cycling, gas exit velocities, chimney spitting, retrofit logistics, gas conversion, or new construction cost savings, we can provide valuable input and direction. Call us to review your project. PENNGUARD Block Lining System is the proven choice.

The PENNGUARD Block Lining System is owned and managed by Armor Limited, Inc., a division of SWT Group. In addition to the PENNGUARD Block Lining System, Armor Limited offers numerous construction product solutions regarding commercial and industrial corrosion protection, wear protection, waterproofing and finish coatings applications. These solutions apply to a wide range of industries worldwide that include power generation, chemical processing, commercial roofing, infrastructure, building construction, transportation and food, beverage and pharmaceutical manufacturing.

armor-inc.com | pennguard.com

For inquiries

Call: +1 (601) 414-9199

Email: customerservice@armor-inc.com

