

THERMOHOLD GP – TECHNICAL DATA

BOND COAT: Nickel based ρ 7.0 to 7.5 gm/cc as sprayed

Porosity 2-10% depending on spray parameters:
We aim for the higher end for thermal barriers.

Average coating weight 0.75 kg/m² / 0.1mm (100 μ m)

Thermal conductivity is comparable with normal stainless steel

Surface roughness 12-20 μ mRa

CERAMIC COAT: Zirconium based ρ 4.3gm/cc as sprayed

Porosity 8-12%

Coating weight 0.43 kg/m² / 0.1mm (100 μ m)

Thermal conductivity 1.69 W/m K
(measured by Zircotec)

Surface roughness 9-11 μ mRa

Coating thickness total Approx 300-350 μ m comprising ~ 100 μ m metal bond coat and 200-250 μ m ceramic.

Total weight increase 1.6-1.7 kg/m²

Our coatings may be removed by grit blasting if so required.

The materials are not asbestos based, non fibrous and have no health and safety implications.



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