

HIGH TEMPERATURE NONSTICK SEALING

PROTECTS MEDIUM, HEAT EXCHANGER AND OVERALL EFFICIENCY

Nanocomp NPAS is a dense non-stick coating used up to 250°C load in heat exchangers.

Air-to-medium heat exchangers are often subject to corrosive stress and become clogged with fouling, which reduces their efficiency.

In the case of brazed, copper-based oil coolers, copper leaches into the oil and cooling water (copper leaching). To protect connected units, copper contents must not be exceeded here.

Nanocomp NPAS protects both the media and the heat exchanger and does not impair heat transfer. The repellent effect ensures the efficiency of the unit.

Nanocomp NPAS provides this protection at film thicknesses of approx. 5µm.

The wetting properties of the coating are adjusted in such a way that the fine contours are coated smoothly and completely.

In this way, the coating protects the media from accumulation and chemical loads from the heat exchanger contact surfaces and vice versa.

The fine fins of medium-air coolers are protected from contamination by the non-stick effect, thus maintaining the efficiency of the heat exchanger or cooler.

Nanocomp NPAS can be sprayed, dipped or flooded. After application and flash-off, the paint is cured warm.



Benefits

- avoids contamination of the medium (Copper-Leaching)
- Avoids inefficiency due to contamination
- protects medium and heat exchanger
- Easy and safe to apply
- Ensures function of the aggregate

Ceramic Coatings for efficient processes

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