

Product information

Nanocomp LT1 Abrasion proof non-stick coating



Protective heat and abrasion resistant non-stick coating

Nanocomp LT1 avoids abrasive and adhesive wear of components or metal surfaces affected by dust, ashes or granulate material travelled by air stream.

Application field

Installations	Aggregates or surfaces in flue gas filtering systems affected by abrasive and/or adhesive wear such as bunkers, silos, blowers
	Tools and components exposed to abrasive granulate material in air stream.
	Tools for mineral forming
	Protective plates exposed to flying sparks or shot blast flow.
Heat resistance	250°C / 500°F (permanent load / substrate temperature)
Medium:	Dry or humid, granulate material, dust, ashes

Where ever grains, dust and ashes are transported by air stream, they may cause abrasion wear on affected surfaces. They may also keep sticking on the surface and affect the function of the aggregate. In any case maintenance or replacement of aggregate is required after short time.

Nanocomp LT1 is a heat resistant elastic non-stick coating absorbing the energy of the bouncing particles. In that way it prevents abrasive wear. Nanocomp LT1 has non-stick properties to avoid adherence of dust, ashes, condensates and particles. This prolongates the devices lifetime and function.

- **Abrasive and adhesive wear protection**
- **Noise free function of aggregates and devices**
- **High equipment lifetime**
- **High OEE**
- **Lower maintenance cost**

Nanocomp LT1 can be exposed to particles of high temperature for a short time, such as flying sparks in grinding operation (temperature of particles > 1000°C).

Nanocomp LT1 is a solvent based coating system. Hardening is at RT (25°C) for 5-10 hours.

CeraNovis offers project related consulting for choice of product and project planning and the service of application. Nanocomp LT products are renewable. They may be applied on new equipment but also on used equipment (after cleaning).

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