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Certificate Of Analysis

nC Surface Technology BV attn. Mr R. van Hoorn Rosbayerweg 206-210 1521 PT WORMERVEER

Date : 23-07-2018

Subject : Testing of Free film coat of nC® ProTherm ISO-X thermal insulating

coating

Your Code : Offer conformation d.d. 3-7-2018

Laboratory Number : 182528

Sampling : Samples have been taken on 3-7-2018 at Wormerveer, NL by

R. van Hoorn, nC Surface technology

Period of Investigation : 05-07-2018 until 23-07-2018

Sample Data

Sample No	Sample Type	Sample Code	Date of Acceptance	
1	Coating	Free film coat of nCProTherm ISO-X thermal insulating coating nC1803TH-1-40-01510-K	19-07-2018	

Methods

Analysis	Technique	Method	Q	S
Thermal resistance, guarded hot plate method	Temperature	EN 12667	Q	

Q = accredited by RvA, s = subcontracted, Qs = subcontractor accredited by RvA

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The results are only related to the investigated samples. The scope of the accreditation involves all results belonging to analyses marked with Q at the methods section.

The used significances of the results represent their uncertainty. Other performance characteristics are available upon request.



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Results

Thermal resistance, guarded hot plate method

EN 12667

The guarded hot plate (GHP) is used to establish a unidirectional constant and uniform density of heat flow rate at a constant temperature difference over the specimen. The heat flow is measured at a mean temperature (temperature in middle of specimen) of 10° C. The λ_{10} value can be calculated with known thickness, heat flow and temperature difference.

Remarks:

Sample 182528-1

	Unit	Individual Results
Thickness	mm	13.5
Density	kg/m³	447.4
Thermal conductivity λ_{10}	mW/(m·K)	56
Thermal resistance R ₁₀	m²K/W	0.2409