

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_15

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-M
NTC 840_M_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 300°C

Polar angle (θ) 0°

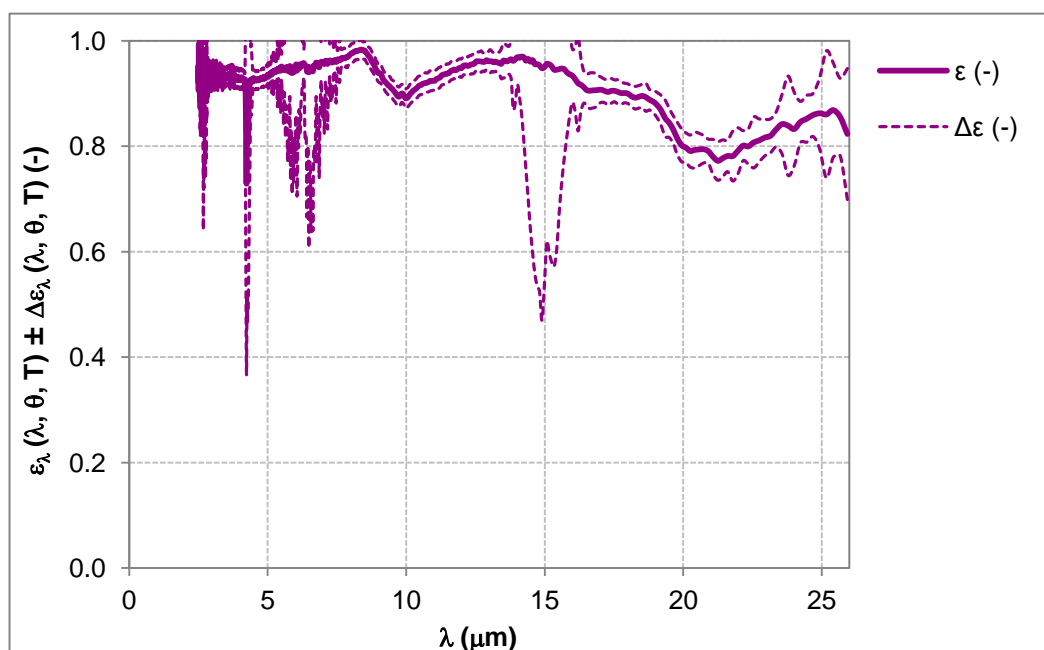
Date 23.2.2015

Measured by Ing. Petra Honnerová, Ph.D.

Responsible person Ing. Jiri Martan, Ph.D.

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λ (μm)	2.5	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.921	0.932	0.925	0.982	0.891	0.961	0.905	0.802	0.862
$\Delta\varepsilon$ (-), $k = 2$	0.021	0.017	0.017	0.018	0.018	0.018	0.024	0.031	0.041

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_16

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-M
NTC 840_M_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 400°C

Polar angle (θ) 0°

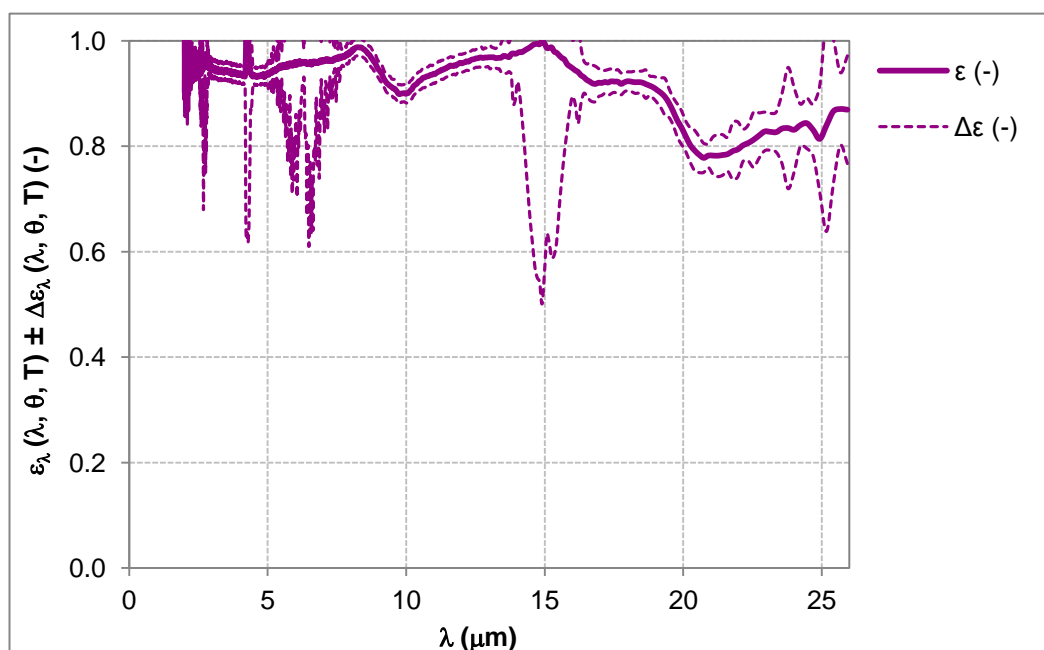
Date 23.2.2015

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λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.902	0.942	0.933	0.987	0.900	0.967	0.922	0.835	0.814
$\Delta\varepsilon$ (-), $k = 2$	0.037	0.016	0.016	0.017	0.016	0.017	0.023	0.031	0.049

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_17

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-M
NTC 840_M_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 500°C

Polar angle (θ) 0°

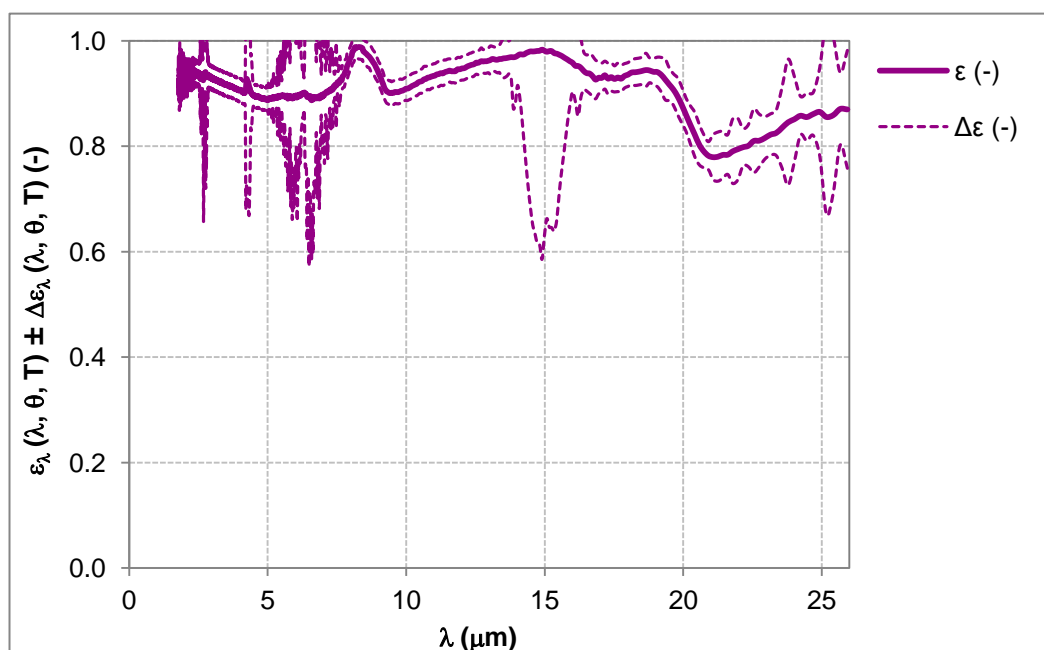
Date 23.2.2015

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λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_\lambda(\lambda, \theta, T)$ (-)	0.932	0.917	0.893	0.988	0.910	0.959	0.928	0.879	0.865
$\Delta\varepsilon$ (-), $k = 2$	0.024	0.022	0.022	0.023	0.022	0.022	0.027	0.035	0.041

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_18

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-M
NTC 840_M_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 600°C

Polar angle (θ) 0°

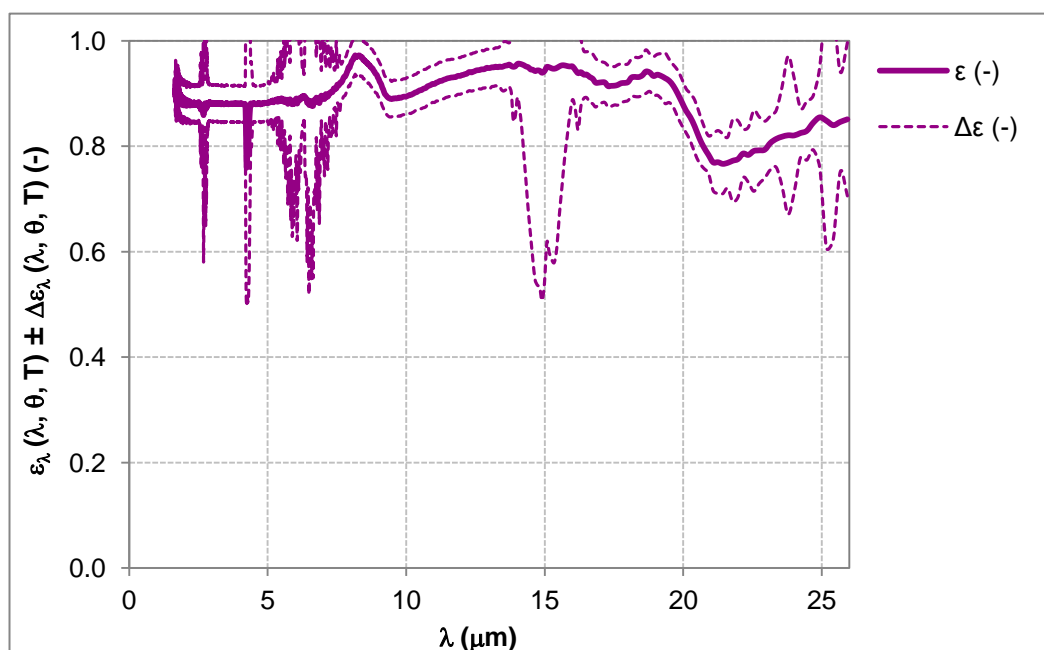
Date 23.2.2015

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λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.885	0.881	0.881	0.972	0.895	0.944	0.915	0.884	0.855
$\Delta\varepsilon$ (-), $k = 2$	0.035	0.035	0.034	0.036	0.034	0.035	0.039	0.044	0.051

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_19

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-M
NTC 840_M_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 700°C

Polar angle (θ) 0°

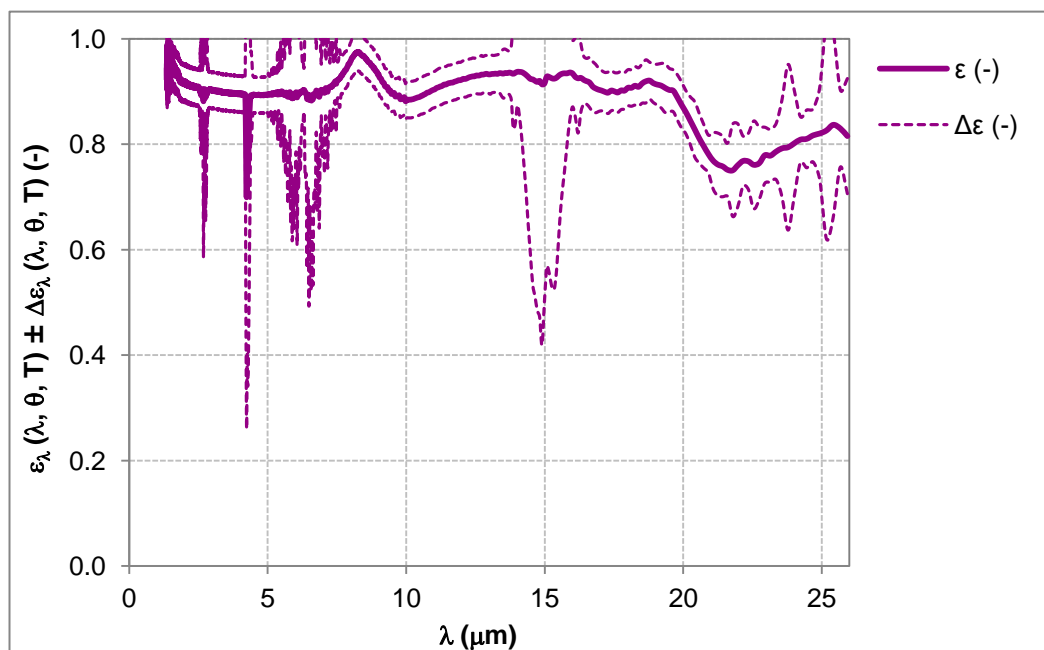
Date 23.2.2015

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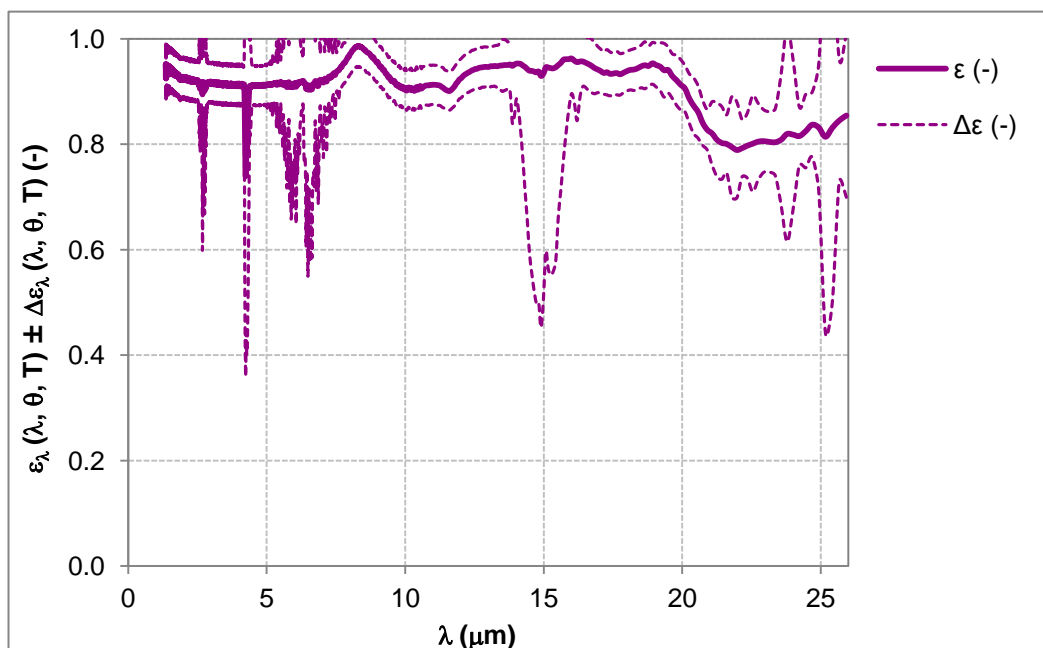


λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.914	0.899	0.893	0.974	0.884	0.930	0.900	0.874	0.820
$\Delta\varepsilon$ (-), $k = 2$	0.035	0.034	0.034	0.036	0.034	0.035	0.038	0.043	0.051

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_20

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-M
 NTC 840_M_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 800°C
Polar angle (θ) 0°
Date 23.2.2015
Measured by Ing. Petra Honnerová, Ph.D.
Responsible person Ing. Jiri Martan, Ph.D. tel.: +420 377 634 718
 e-mail: jmartan@ntc.zcu.cz



λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_\lambda(\lambda, \theta, T)$ (-)	0.924	0.915	0.911	0.986	0.906	0.943	0.934	0.913	0.832
$\Delta\varepsilon$ (-), $k = 2$	0.038	0.037	0.037	0.039	0.037	0.037	0.041	0.047	0.062