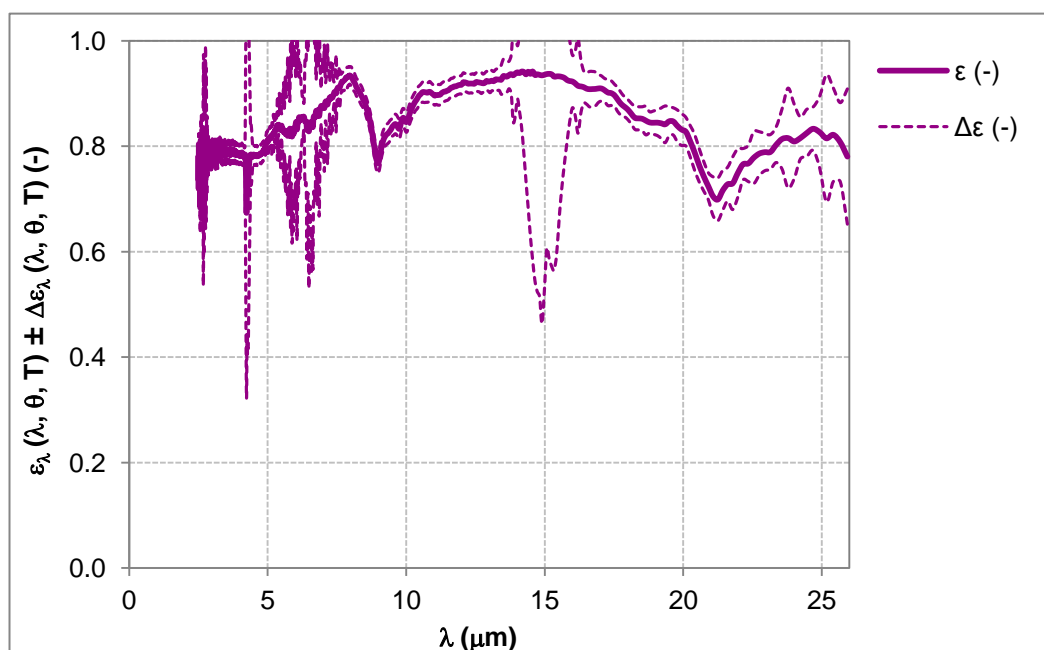


MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_08

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-C
 NTC 840_C_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 300°C
Polar angle (θ) 0°
Date 22.2.2015
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

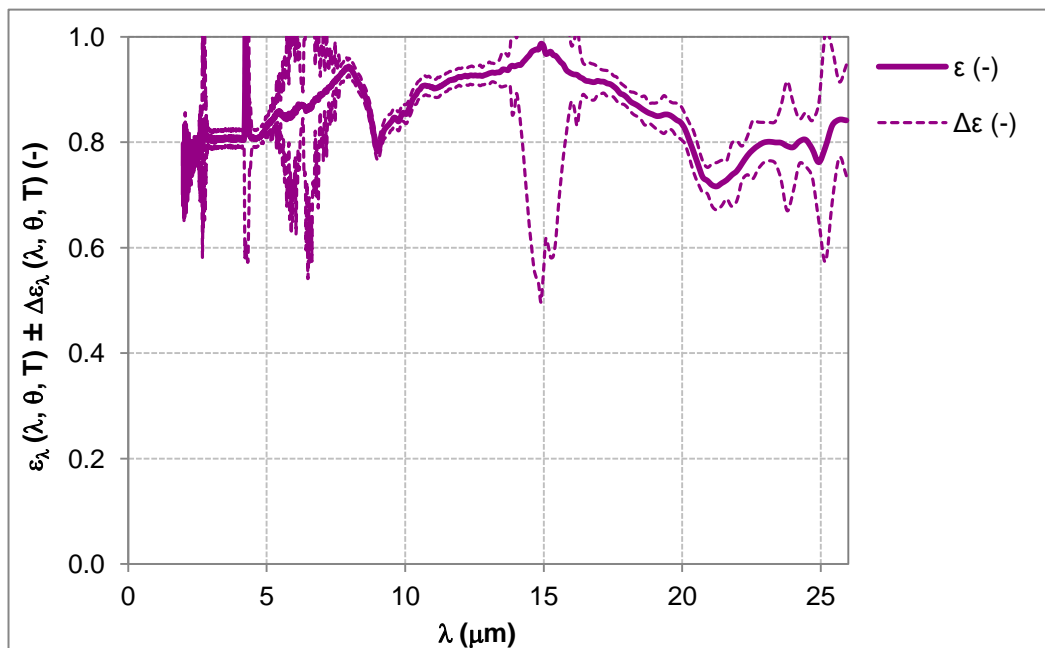


λ (μm)	2.5	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.736	0.786	0.782	0.903	0.846	0.922	0.897	0.831	0.826
$\Delta\varepsilon$ (-), $k = 2$	0.020	0.018	0.018	0.018	0.018	0.018	0.024	0.030	0.041

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_09

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-C
 NTC 840_C_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 400°C
Polar angle (θ) 0°
Date 22.2.2015
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

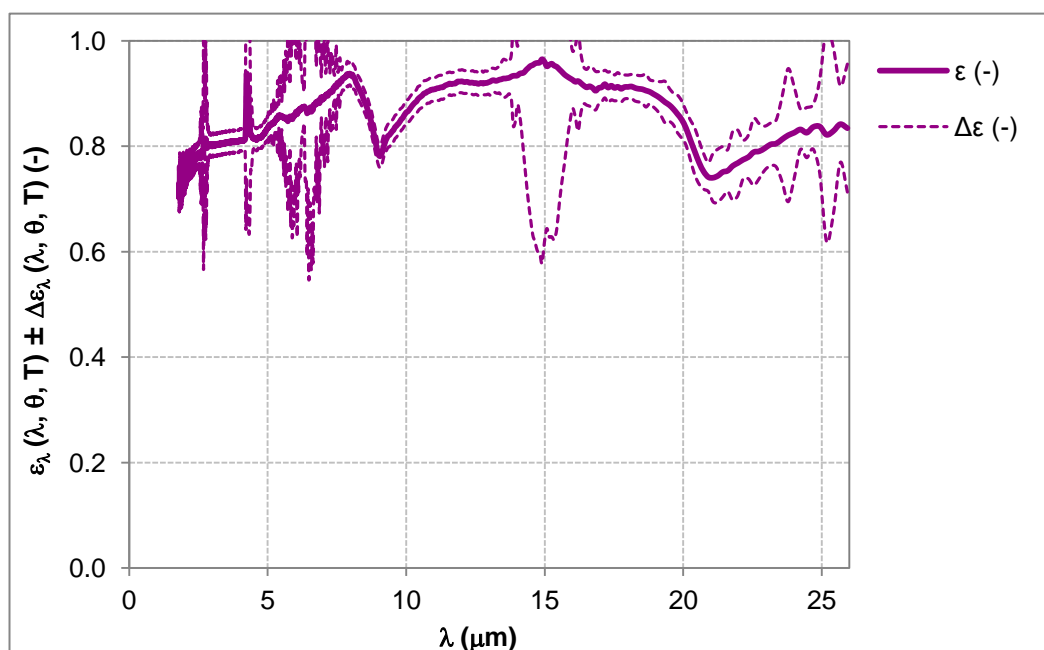


λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.701	0.807	0.809	0.913	0.854	0.927	0.906	0.838	0.762
$\Delta\varepsilon$ (-), $k = 2$	0.034	0.016	0.016	0.017	0.017	0.017	0.023	0.032	0.053

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_10

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-C
 NTC 840_C_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 500°C
Polar angle (θ) 0°
Date 22.2.2015
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

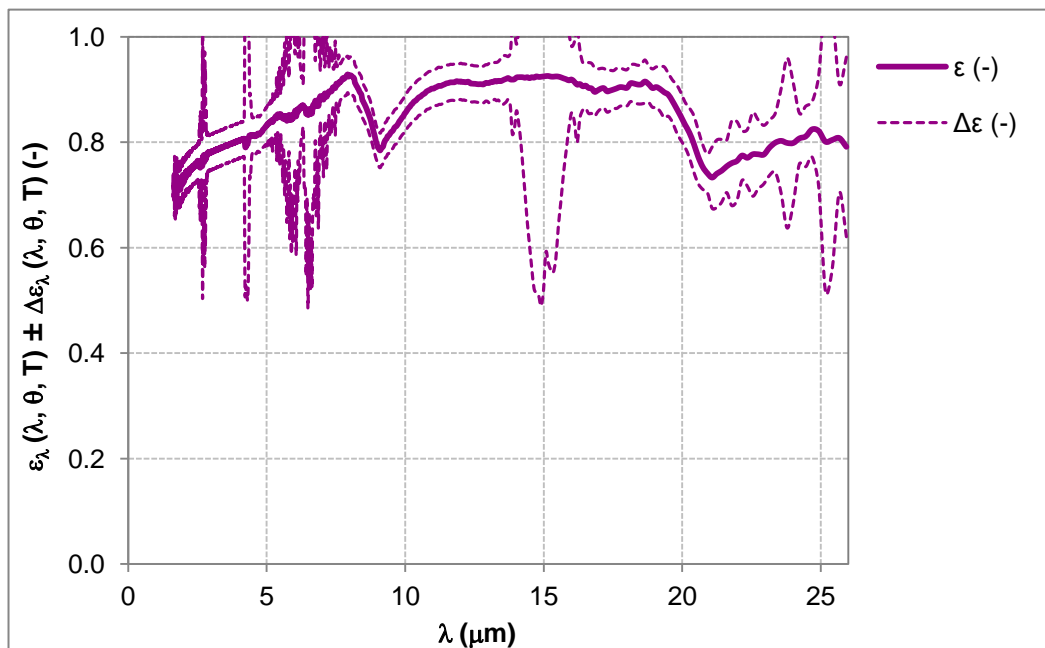


λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.739	0.807	0.816	0.907	0.865	0.920	0.911	0.851	0.837
$\Delta\varepsilon$ (-), $k = 2$	0.023	0.021	0.021	0.022	0.021	0.022	0.027	0.036	0.042

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_11

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-C
 NTC 840_C_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 600°C
Polar angle (θ) 0°
Date 22.2.2015
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
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.731	0.793	0.815	0.900	0.856	0.911	0.900	0.849	0.821
$\Delta\varepsilon$ (-), $k = 2$	0.034	0.034	0.034	0.035	0.033	0.034	0.038	0.045	0.053

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_12

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-C
NTC 840_C_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 700°C

Polar angle (θ) 0°

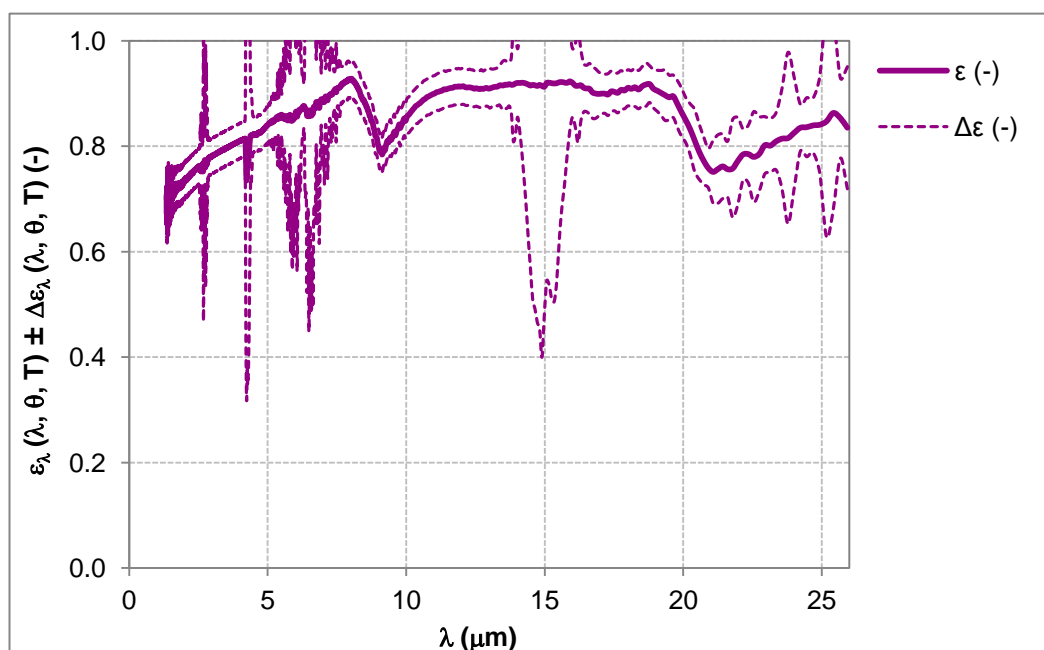
Date 22.2.2015

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

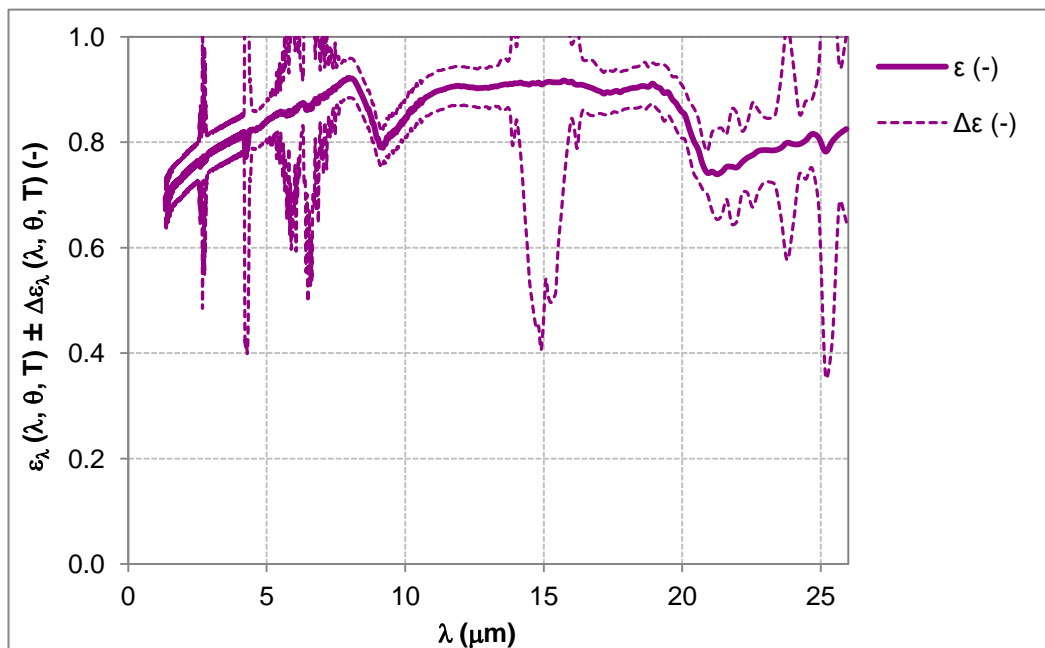


λ (μm)	2	3.5	4.7	8.3	10	12.5	17.5	20	25
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.735	0.796	0.825	0.905	0.854	0.910	0.903	0.864	0.841
$\Delta\varepsilon$ (-), $k = 2$	0.034	0.033	0.033	0.034	0.033	0.034	0.038	0.044	0.052

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_13

Order number ZAK_Aremco_2014_01-3
Customer Aremco Products Inc.
Sample ID customer 840-C
 NTC 840_C_01
Measured quantity spectral normal emissivity
Measurement method SNEHT
Temperature (T) 800°C
Polar angle (θ) 0°
Date 22.2.2015
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
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.735	0.799	0.827	0.903	0.848	0.904	0.896	0.860	0.809
$\Delta\varepsilon$ (-), $k = 2$	0.036	0.036	0.036	0.037	0.035	0.036	0.042	0.051	0.066

MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_14

Order number ZAK_Aremco_2014_01-3

Customer Aremco Products Inc.

Sample ID customer 840-C
NTC 840_C_01

Measured quantity spectral normal emissivity

Measurement method SNEHT

Temperature (T) 900°C

Polar angle (θ) 0°

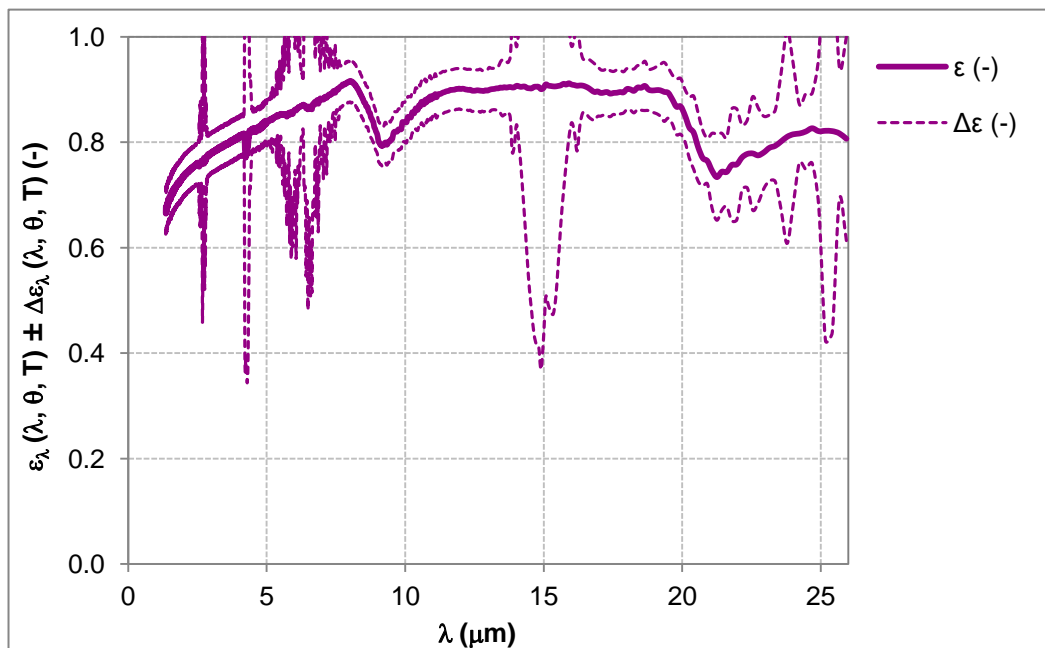
Date 22.2.2015

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
$\varepsilon_{\lambda}(\lambda, \theta, T)$ (-)	0.737	0.795	0.825	0.900	0.838	0.898	0.894	0.868	0.821
$\Delta\varepsilon$ (-), $k = 2$	0.039	0.038	0.038	0.040	0.037	0.039	0.044	0.053	0.067