General information

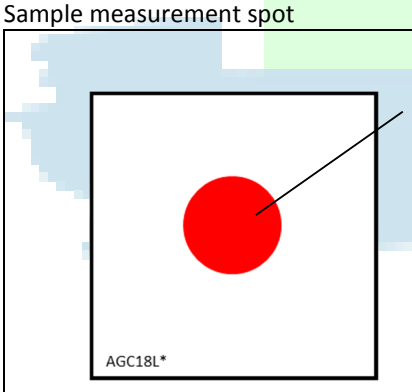
Client	RKW Hyplast
Project	PPS Smart Materials
WUR Project number	3742233900
Measurement date	29th of October, 1st, 6th and 9th of November, 22nd, 23rd, and 29th of January, 1st and 2nd of Februari
Laboratory	WUR LightLab
Operator	BB (Condensation meter), BvB (BYK Haze-gard)
Equipment and method	Condensation: Condensation meter WUR[1] Haze: BYK Haze-gard via ISO-14782
Report made by	BvB

Sample information

Client ID	*Our ID*	*Size [mm]*	*Remarks*
WA2458A ref	RK18R	500 x 500 x 4	Additional material was send for condense measurements which was marked as “1415852” “WA25047”
KRB47	RK18S	500 x 500 x 4	

Sample preparation: Samples were treated with an atmospheric dielectric barrier breakdown plasma along the outer 5 cm stroke of a 50 by 50 cm section, the section was then attached to a glass sheet using a transparent UV curable acrylate glue and UV cured using 365 nm UV light before measurement.

Sample measurement spot



Measurements are carried out on the samples delivered by the Client as described above. It is the responsibility of the client to select representative samples for a material batch.

Measurements are carried out on a randomly chosen spot on the sample as indicated at the left. It is the responsibility of the Client to deliver uniform samples.

[1] WUR rapport GTB-1438, http://library.wur.nl/WebQuery/wurpubs/fulltext/415351

Test results

Mean values

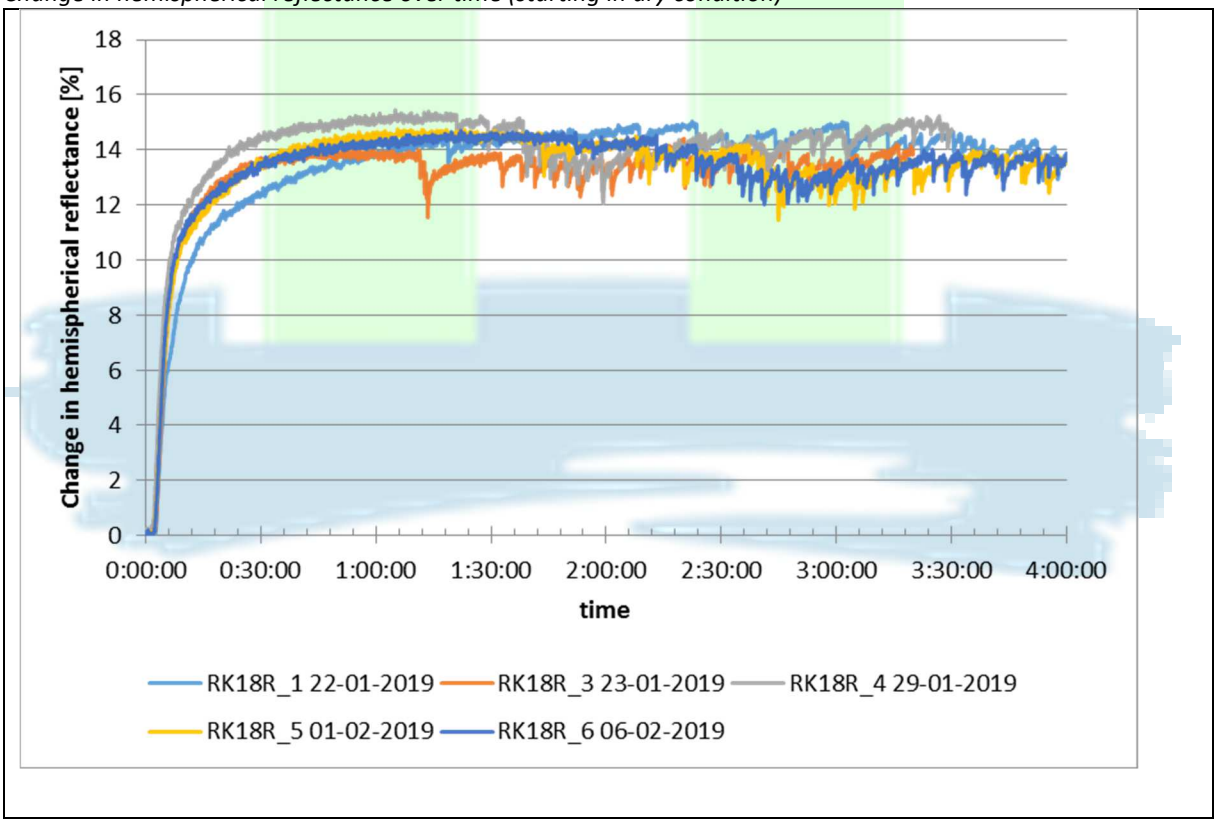
	Haze
RK18R	36.4
RK18S	31.5

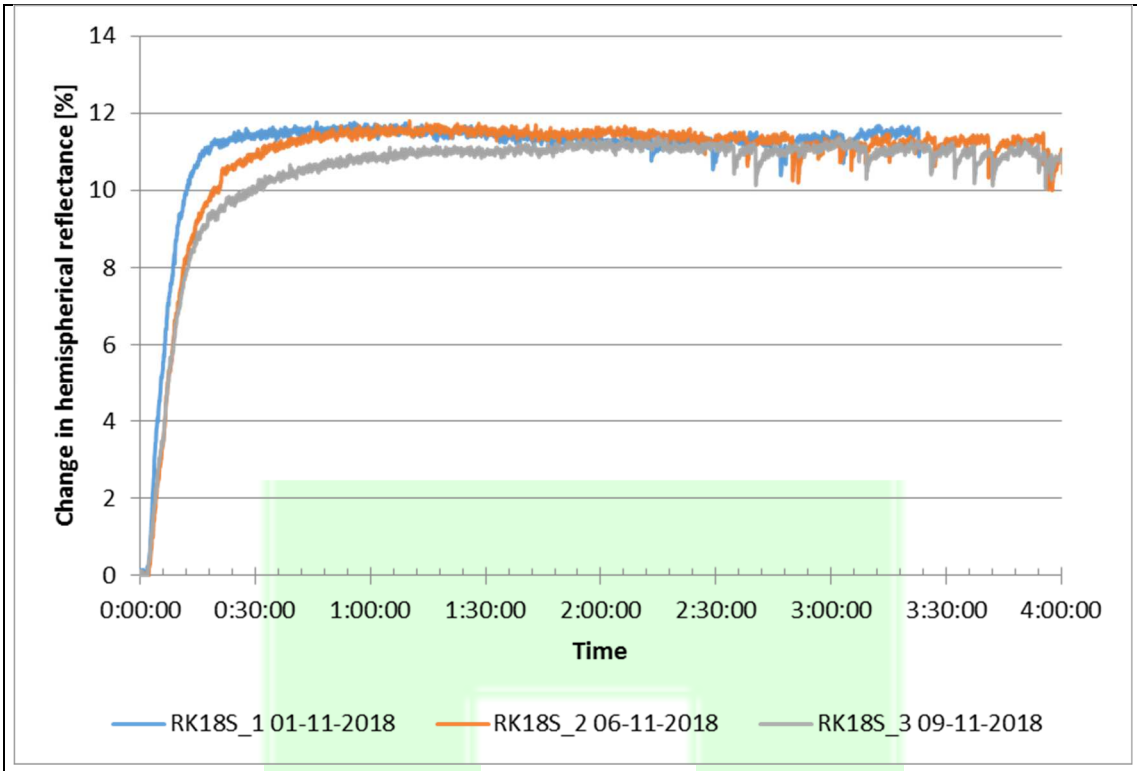
Mean values

	Condensation effect	*Repetition 1*	*Repetition 2*	*Repetition 3*	*Repetition 4*	*Repetition 5*	*Repetition 6*
	Hemispherical light transmission of wet material compared to dry material						
	WUR Condensation meter Average						
RK18R	-14.1 %	-14.6 %	--	-13.7 %	-14.8 %	-14.2 %	-13.3 %
RK18S	-11.3 %	-11.4 %	-11.3 %	-11.3 %			

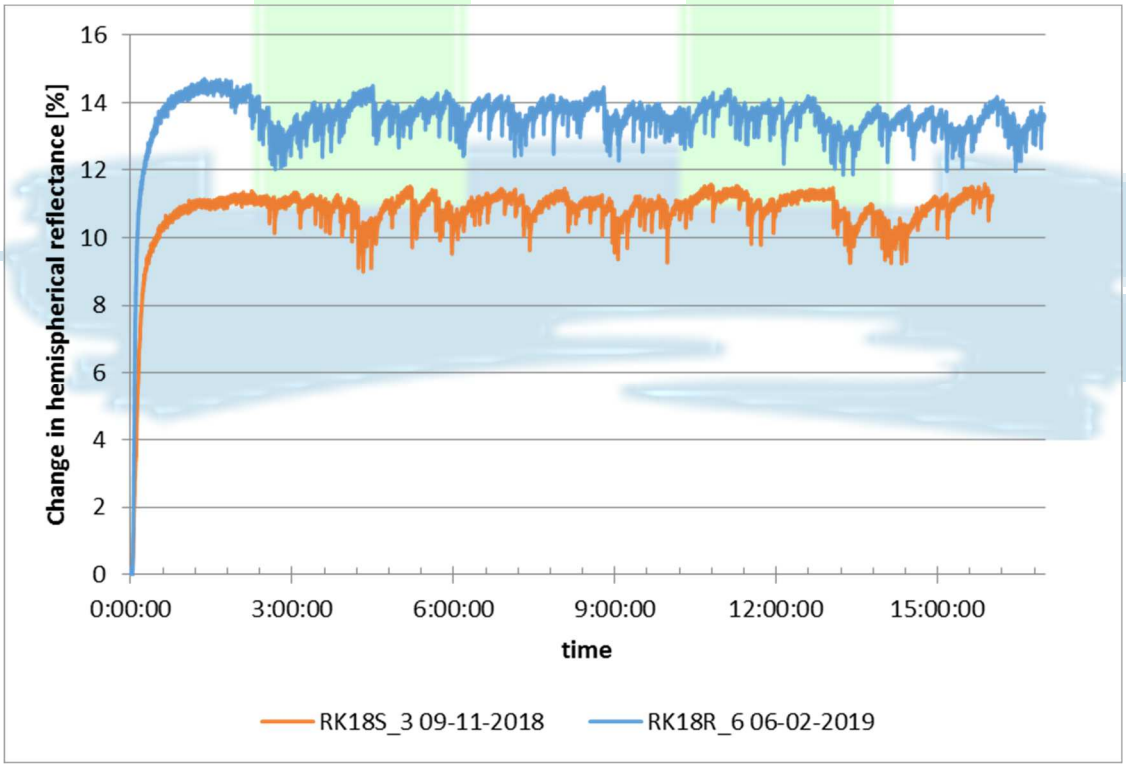
Figures

Change in hemispherical reflectance over time (starting in dry condition)





Long runs



Disclaimer

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