Correlation between ΔT, available water adsorption capacity (AWAC) and loss on ignition (LOI) according to EN 1279-4

Project-No.
18-002087-PR02

Basis of testing
EN 1279-4:2018-07
Glass in building - Insulating glass units - Part 4: Methods of test for the physical attributes of edge seals

Test equipment used
W/020551 - Präzisionswaage CPA324S
Pst/020396 - Muffelofen
TM/029195 - Flüssigkeits-Glasthermometer

Test specimen
Natergy Sieve

Test specimen n°
47963-001

Date of test
07.05.2019 to 06.07.2019

Responsible test engineer
Maximilian Weiß

Testing personnel
Maximilian Weiß, Jennifer Seyfang

Implementation of tests

Deviations:
There have been no deviations from the test method as specified in the standard/basis.

Ambient conditions:
The ambient conditions are in accordance with the standard/basis requirements.

Measurement data/Results

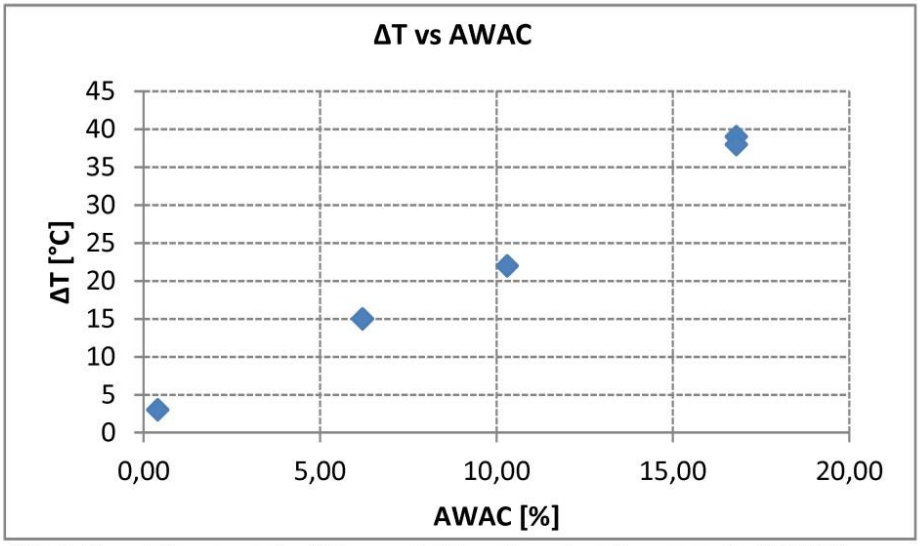

Abb.1: Correlation curve for ΔT vs available water adsorption capacity (AWAC).

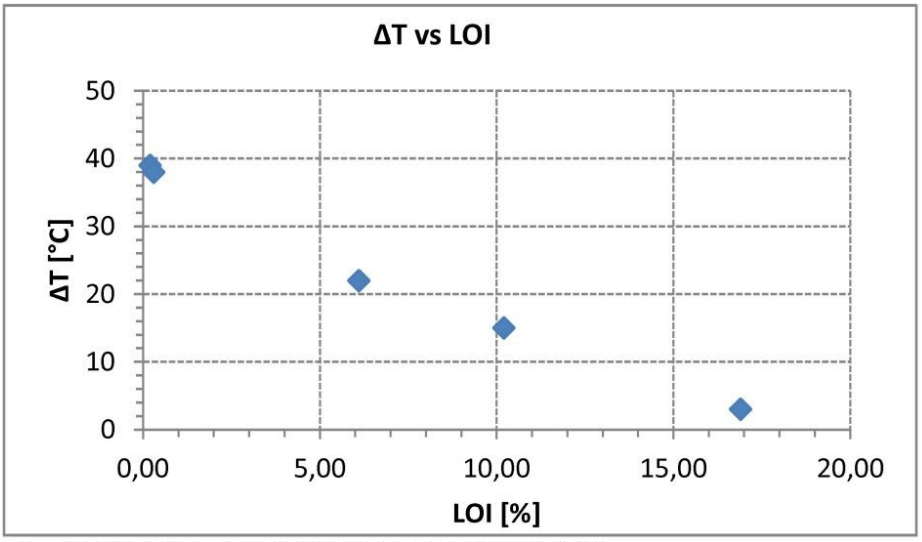

Abb.2: Correlation curve for ΔT vs Loss on Ignition (LOI)

Table 1: Results of test series of desiccant with different LOI / AWAC

#	ΔT	LOI [%]	AWAC [%]
1	39	0.2	16.8
2	38	0.3	16.8
3	15	10.2	6.2
4	22	6.1	10.3
5	3	16.9	0.4