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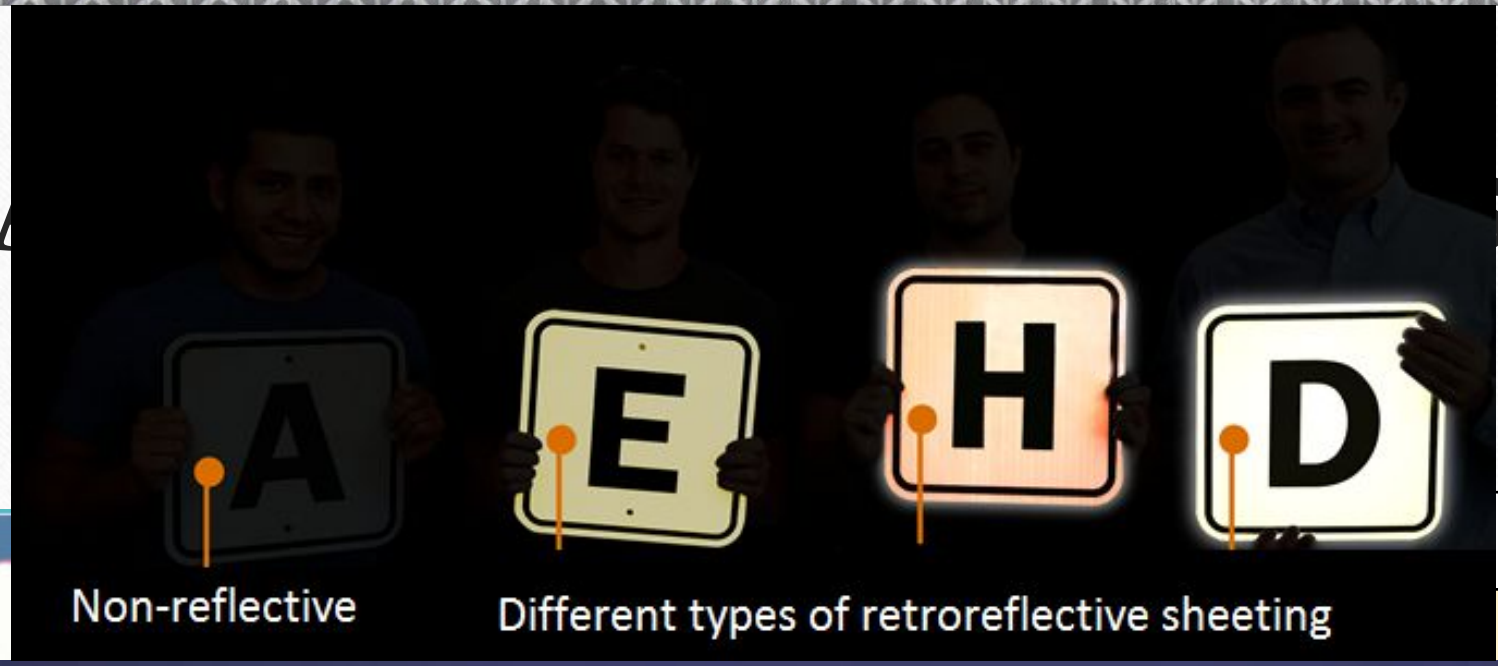
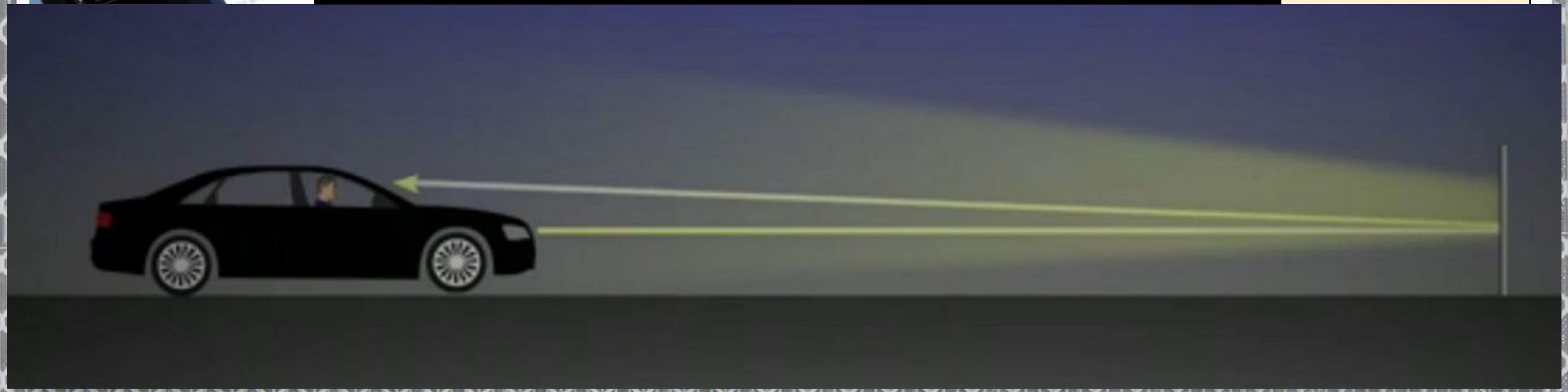


In laboratory




ACC843 S/N 513366060
illumination (β): +5°
0.2°: 323.1cd•lx⁻¹•m⁻²
0.33°: 239.2cd•lx⁻¹•m⁻²
2°: 6.7cd•lx⁻¹•m⁻²
valid until: 13.12.2019

RESULTS

- The retroreflective properties decrease in the presence of:

-**hoarfrost** up to 76%*

-**dirtness** up to 64%*

-**dew** up to 61%*

-**fog** up to 14%*

**maximal value, not for all samples*

- Based on **1,400** measurements of the calibration standard was found the change in temperature of **25°C** leads to a **10%** change in the retroreflective level

CONCLUSIONS

- ✔ The presence of **any** type of **precipitation** on the surfaces of signs **significantly impairs** its retroreflective properties.
- ✔ There is a **correlation** between some types of **retroreflective** sheeting and the changes in **temperature** and **humidity**.

It proves **necessity** of the next **future research** to obtain true and verified information about sheeting properties.

Research of new materials with water-repellent coating.

This paper is an **impetus** for **cleaning signs** not only in the Czech Republic but in every country where these procedures are not usual during the winter season.

THANK YOU
FOR
YOUR ATTENTION