



Łukasiewicz

Instytut Inżynierii
Materiałów
Polimerowych
i Barwników

Paints and Plastics Research Group

Order No.: 251200
Reference No.: GL.4120.38.2023

Client:
Kofarb Sp. z o.o.
ul. Jagiellońska 85/87
42-200 Częstochowa

Report

Determination of SRI

Kofaterm Roof Paint

Personnel: Agnieszka Woźniczka

/name and surname/

Person in charge of the Report: Ewa Langer

/name and surname/

Head of Paints and Plastics
Research Group

Lider Grupy Badawczej

Farb i Tworzyw

Langer
dr inż. Ewa Langer

Head of Paints and Plastics
Center

DYREKTOR CENTRUM

Sieć Badawcza Łukasiewicz - IMPiB
Centrum Farb i Tworzyw

Mariola Bożek-Kochel
dr inż. Mariola Bożek-Kochel

Gliwice, 26th of June 2023



1. Formal basis for accomplishing the work

The formal basis for accomplishing the work was an order placed by Kofarb Sp. z o.o., ul. Jagiellońska 85/87, 42-200 Częstochowa, regarding determination of solar reflectance index (SRI) of coating.

2. Scope of work

Client has provided for test paint described as Kofaterm Roof Paint.

3. The scope of tests

The order was to:

- determine the emissivity;
- calculate the solar reflectance index (SRI) of coating.

The emissivity coefficient was determined using a FLIR thermal imaging camera with the E60 symbol, based on own methodology. The given result is the average of 3 measurements.

The SRI was calculated based on the ASTM E1980-11(2019) Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces.

4. Test results

The results obtained are summarized in **Table 1**.

Table 1. Determined values for coating

| Coefficient to be determined | Kofaterm Roof Paint |
|-------------------------------------|----------------------------|
| TSR, % | 90,27 |
| Emissivity | 0,98 |
| SRI | 116 |

END of REPORT