

Thermographic paint for standard applications

HERP-LT-MWIR-BK-11

► **Main features:**

high emissivity paint
almost opaque
high mechanical resistance
for temperatures up to 100 °C
suitable for uncooled infrared cameras, electrical equipment
(very low conductivity), for everyday use

► **Ingredients:**

acetone, n-butyl acetate, butan-1-ol, propan-2-ol

► **Contents:**

400 ml

► **Colour**

black

► **Thermal conductivity:**

0.75 W/mK (50 °C)
0.70 W/mK (100 °C)

► **Electrical resistance:**

$8,83 \cdot 10^{15} \Omega$

► **Other features:**

coating thickness 30 μm (according to the recommended application)
coating roughness $R_a = 0.8 \mu\text{m}$, $R_z = 9.6 \mu\text{m}$

► **Packing:**

1 pc minimum



Optical properties

► transmissivity to 1,5 % in the bands of commonly used infrared cameras

Band emissivity dependence on the viewing angle for band 7.5 - 13 μm

► for bolometric cameras use the emissivity according to the viewing angle:

Angle (°)	0	5	10	20	30	40	45	50	60	70	80
Emissivity	0.963	0.963	0.961	0.959	0.954	0.947	0.941	0.931	0.899	0.823	0.661



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