Romakowski GmbH & Co. KG · Herdweg 31 · 86647 Buttenwiesen, Germany
Phone +49 (0) 8274.999-0 · Fax +49 (0) 8274.999-150
info@romakowski.com · www.romakowski.com

ROMA
INSULATION SYSTEMS

Guideline for selecting surface coatings

Properties	DU finish	Hard PVC foil	SP + PET foil	Polyester finish	HDP finish	ROMA resist	ROMAplus
Coating thickness (µm)	15	150	55	25	25	35	50
Glossy	15 ... 25	5 ... 15	60 ... 80	10 ... 80	20 ... 80	40	20 ... 40
Corrosivity category in acc. with DIN 55 634 : 2010-04 Att.A	C2/M	C2/H C3/H C4/H C5-I/M C5-M/H		C2/H C3/H C4/L	C2/H C3/H C4/L	C2/H C3/H C4/L	C2/H C3/H C4/H C5-I/M C5-M/M
Surface hardness	+	+	++	+++	+++	+++	+++
Temperature resistance (°C)	80	60	80	80	80	80	80
Formability/bending	+	+++	++	++	++	++	+++
Formability/profiling	+	+++	++	+++	+++	+++	+++
Abrasion resistance	+	+++	++	+	+	+	++
Weather resistance, UV stability	–	–	–	+	++	+	++
Chemical resistance inorganic/organic*	+/+	+++/+++	+++/+++	++/++	++/++	++/++	++/++
Physiologically harmless	+	+++	+++	++	++	++	++
Fire behavior according to DIN 4102	A2	A2	A2	A2	A2	A2	A2

Application areas		DU finish	Hard PVC foil	SP + PE foil	Polyester finish	HDP finish	ROMA resist	ROMAplus
Rural atmosphere		–	–	–	++	++	++	+++
Urban and industrial atmosphere		–	–	–	++	++	++	+++
Aggressive industry atmosphere*		–	–	–	+	+	+	++
Marine atmosphere*	1 – 10 km	–	–	–	–	–	–	++
	to 1 km	–	–	–	–	–	–	+
Normal room climate t < 25 °C, rel. humidity < 80 %		+	+++	++	++	++	++	+++
Rooms with t < 25 °C* Rel. humidity > 80 %		–	++	++	+	+	+	++
Rooms with 25 °C < t < 50 °C, Rel. humidity > 80 %*		–	+	+	–	–	–	+
Rooms without heating, with intermittent condensation		–	++	++	+	+	+	+
Cold-stores to -30 °C		–	++	++	+	+	+	++

Rating:
+++ Highly suitable ++ Very suitable + Suitable – Not recommended
* Inquiry necessary so exact application area can be defined.

As of: 04/24