

TEST REPORT

Work No: C21F003BM

Date/version: 2025-02-11/1

Customer:	Teknos OY	Address:	Takkatie 3, PL 107, 00371 Helsinki Finland
Person:	Tero Ojala	Phone:	+358 9 506091

Test Facility	Bohus Malmön, Kvarnvik	Test Duration:	4 years
Test Started:	2021-06-15	Test Accomplished:	2025-06-16
Corrosion Class (ISO 12944-2:2017):	C4	Durability Class (ISO 12944-1:2017):	High
Paint system (ISO 12944-5:2019):	C4.11		

INFORMATION PROVIDED BY THE CUSTOMER:

Substrate:	Steel	Method of scribing:	Milling machine, 1mm width
Surface Preparation:	Fe Sa 2½		

PAINT SYSTEM		Binder ISO 12944-5:2019	Nominal Dry Film Thickness [µm]
1st coat	Teknozink MR003	EP(Zn)	60
2nd coat	Teknoplast Primer 7	EP	160
3rd coat	Teknodur 0050	PUR	40
Total N.D.F.T.:			260

TEST RESULTS:

Application no: 1371		A Panel no.	B Panel no.	C Panel no.	Requirements according to AMA GBD 1 2017
		1371/15	1371/2	1371/8	
Measured mean dry film thickness µm	ISO 19840:2012	228	229	256	
Gloss 60° Before test	ISO 2813:2014	59			
Gloss 60° After test	ISO 2813:2014	9			
Rusting	ISO 4628-3:2024 (Method 1)	Ri 0	Ri 0	Ri 0	Ri 0
Blistering	ISO 4628-2:2016	0	0	0	0
Cracking	ISO 4628-4:2016	0	0	0	0
Flaking	ISO 4628-5:2022	0	0	0	0
Defects at the scribe (mm)	ISO 4628-8:2012		1,0	0,5	Max 4
Defects at the edge (mm)	ISO 4628-8:2012			2,0	Max 4
Adhesion (pull-off test), (MPa)	ISO 4624:2023				Min 4

Type of Adhesion Failure pull-off test ISO 4624:2023.

Panel no.	MPa	A	A/B	B	B/C	C	C/D	D	D/E	E	E/F	F	Glue failure
1371/2	13,6		20										80
1371/2	14,0		10										90
1371/2	10,4												100
1371/2	14,0		40										60
1371/8	13,2		50										50
1371/8	12,2												100

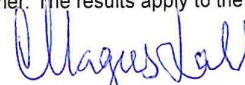
The paint system meets the testing requirements of corrosivity category: **C4**

Remarks: Dry film thickness on panel 1371/15 and 1371/2 was below 90% of NDFT, this is not considered to have had a positive effect on the test results.

Disclaimer: The Laboratory has no responsibility for the information provided by the customer. The results apply to the samples as received.

Place: Tranemo

Measurements done by:



Date: 2025-11-03

Printed name:

Magnus Dahl/Lab/Teknos_SE,
Technical responsible