



SYNPO, akciová společnost
S. K. Neumanna 1316
CZ 532 07 Pardubice - Zelené Předměstí
The Czech Republic
Department of Evaluation and Testing



Company with Quality Control System Certified According to ISO 9001

ASSESSMENT OF CORROSION PROTECTION OF STEEL STRUCTURES BY PROTECTIVE PAINT SYSTEM AKRYLMETAL FOR A LONG CORROSION PROTECTION

Producer: SYNPO akciová společnost, S. K. Neumanna 1316, 532 07 Pardubice, Czech Republic
Test performed by: SYNPO akciová společnost, S. K. Neumanna 1316, 532 07 Pardubice, Czech Republic
Test Report: Test Report T 212/19/1, 2 and 3, issued in Pardubice, on October, 14, 2009

1. The subject of the examination:

Protective paint system for steel substrates AKRYLMETAL

2. Finding:

The test of corrosion resistance was performed according to ČSN EN ISO 6270-1 (480 hours), and ISO 9227 (720 hours), test of adhesion according to ISO 4624. Total exposure time was given in Table 1 of ISO 12944-6 standard. After finishing the test the part in test was free of any coating defects, i.e. the sample was free of blistering, rusting, flaking and/or cracking.

3. Assessment

Substrate	Finish	Requirements of ISO 12944 -6 for C5-M, Medium corrosivity category	Results	Meets
Steel panel (cleanness St 3)	LV EPS 033 (2K EP) + AKZ 411 (2K PUR) (NDFT 280 µm)	ISO 6270-1 (480 hours) Ri 0, without blisters	blisters 0 (S0) Ri 0;	✓YES
		ISO 9227 (720 hours); Ri 0, without blisters, corrosion at scribe $c \leq 1$ mm,	blisters 0 (S0) Ri 0; c = 0 mm	✓YES
		ISO 4624	4,6 MPa cohesion failure in primer	✓YES

4. Conclusions

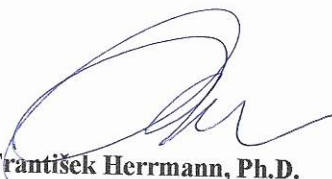
Tested paint system, consisting of Primer LV EPS 033 (Zirafinol, NDFT 200 µm) plus Top coat LV AKZ 411 (NDFT 80 µm) meets the requirements of ČSN EN ISO 12944-6 for the long-term corrosion protection of the product in an environment of corrosivity category:

- C4 - High (durability over 15 years)
- C5-M, Medium (durability from 5 up to 15 years).

Assessment made by:


SYNPO, akciová společnost
S. K. Neumanna 1316
532 07 Pardubice ③

In Pardubice, on June, 9, 2010


František Herrmann, Ph.D.
corrosion engineer
certified according to Std 401APC
certificate number 401-0096
issued on April, 20, 2009