

NEUBURG SILICEOUS EARTH IN ANTI-CORROSION PRIMER EPOXY-BASED

OBJECTIVE

Partial Substitution of Zinc Phosphate by **Aktisil PF 777** and **Aktisil AM**

FORMULATION

Medium-solid, 430 g/l VOC		[pbw]
A	Epoxy resin, binder	23.8
	Solvents	21.7
	Additives	1.6
	Titanium dioxide	5.9
	Zinc phosphate	7.5
	Talc	19.0
B	Barium sulfate ppt	7.8
	Polyamide resin, hardener	12.7
Total		100.0

partial substitution of anti-corrosive pigment

PVC constant

	[pbw]
Zinc phosphate	2.5
Filler varied	21.3 - 22.8
Barium sulfate, ppt	7.8

Fillers varied

Natural
mixture
of
quartz, mica and
chlorite

Talc

**Neuburg
Siliceous Earth**

**Aktisil PF 777
Aktisil AM**

Evaluation

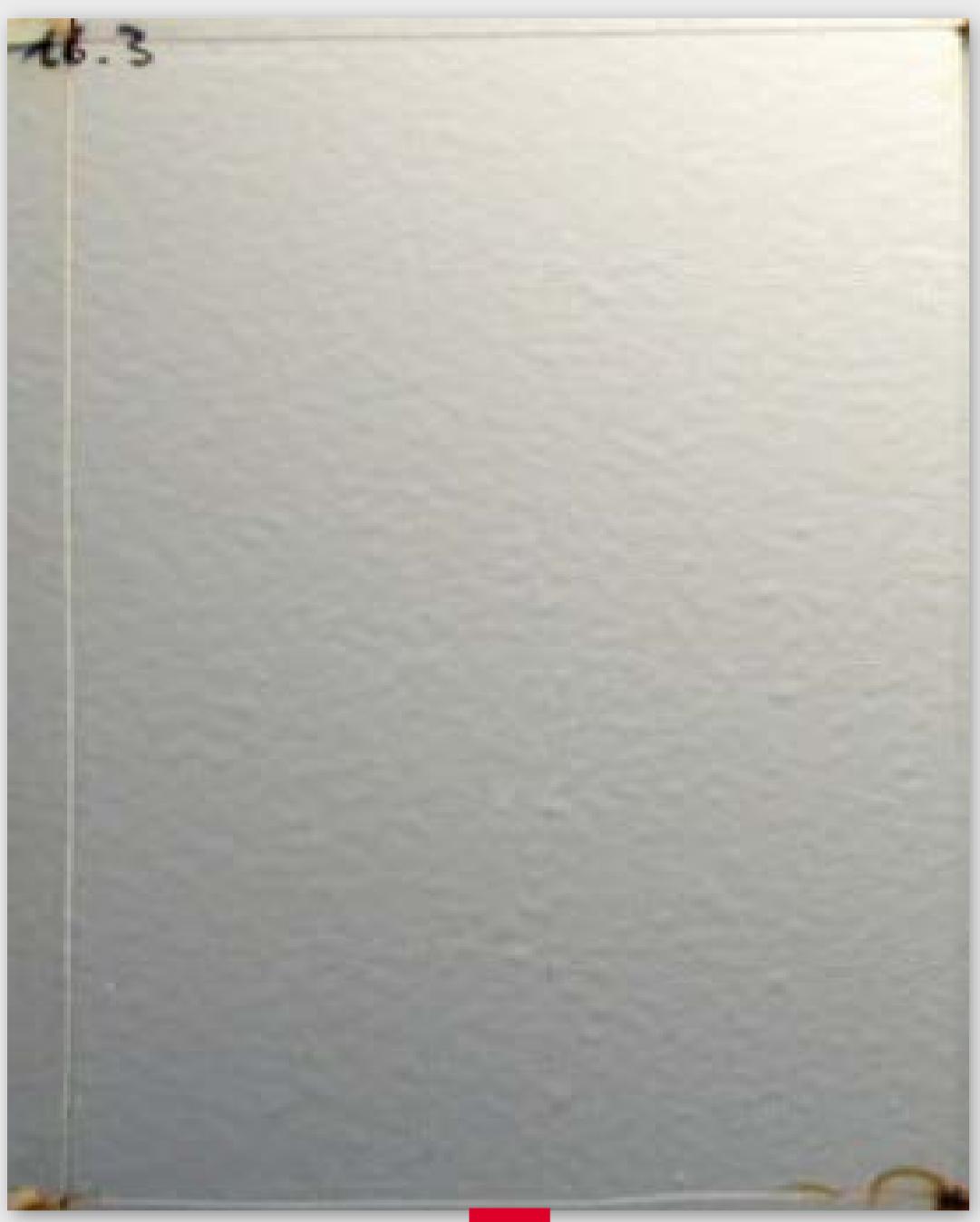
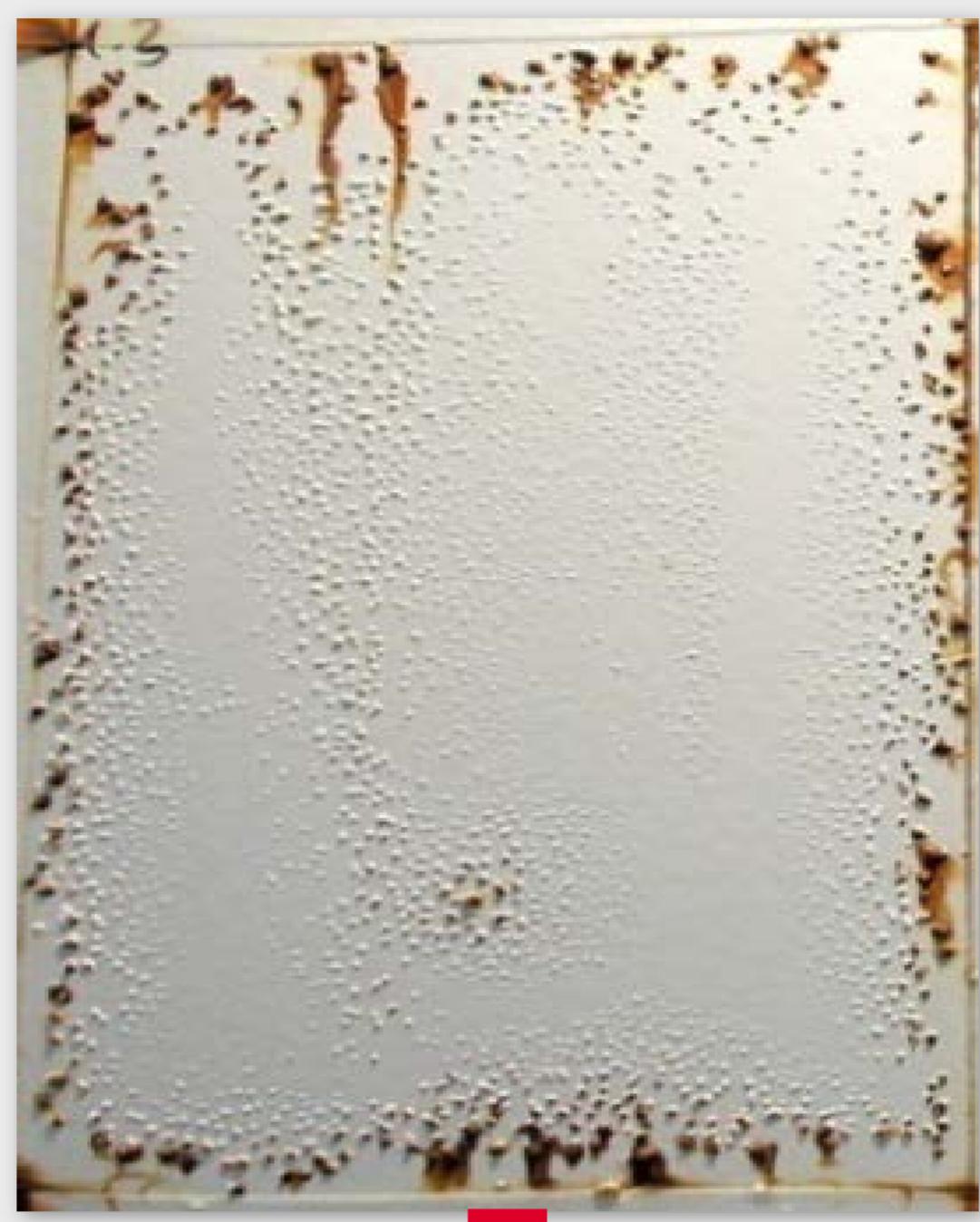
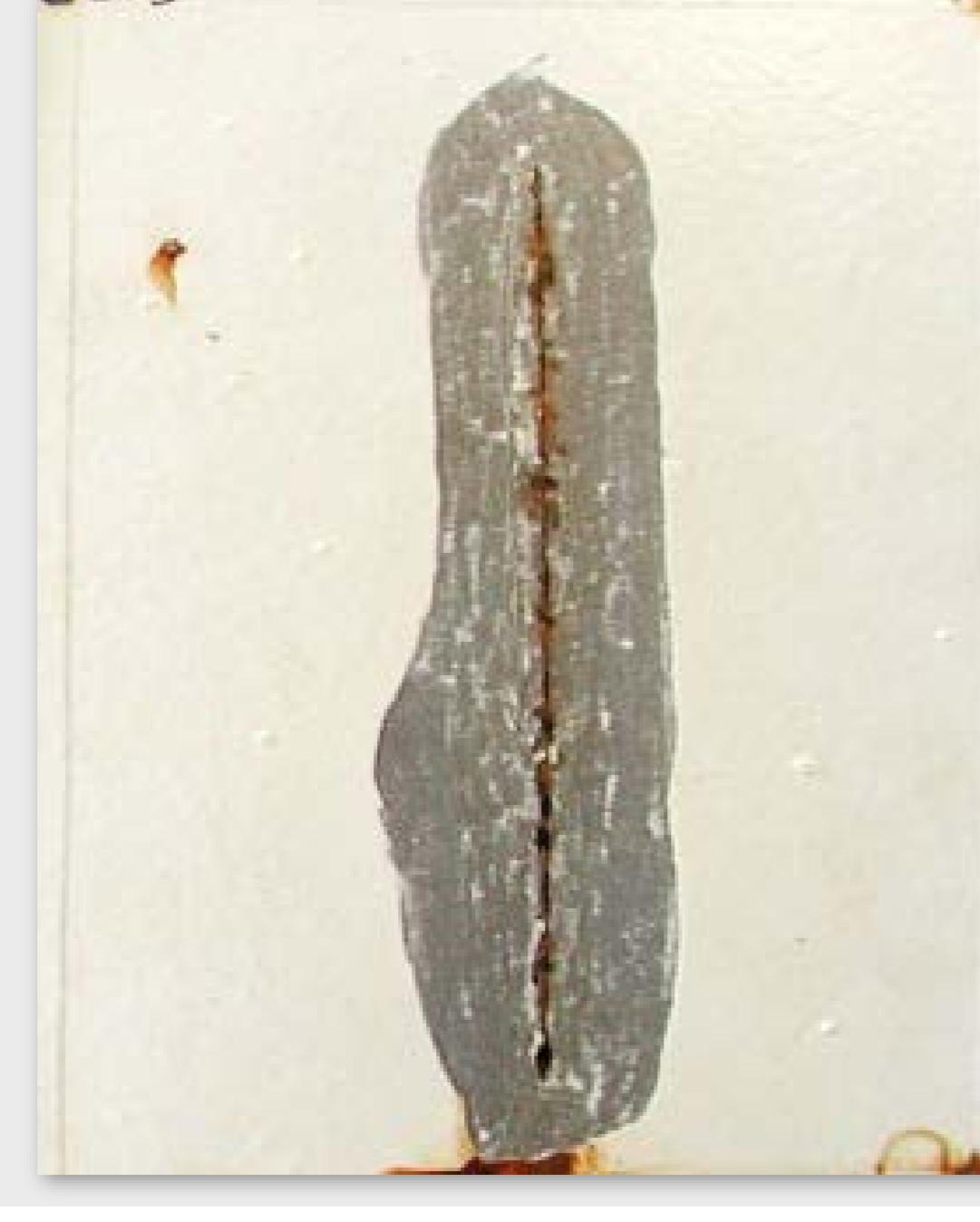
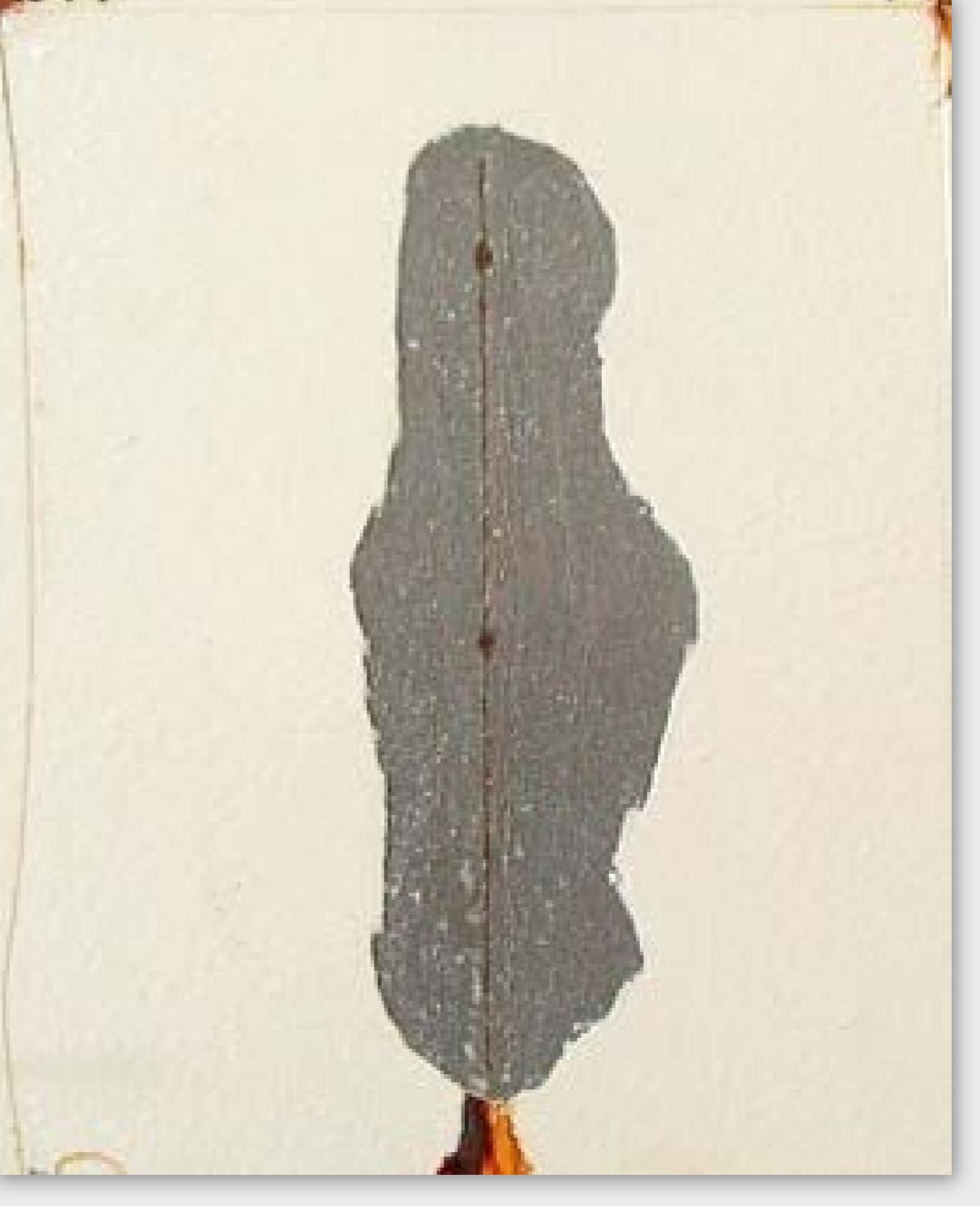
Neutral salt spray (NSS) ISO 9227

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Cold Rolled Blasted Steel; 80 µm DFT, Single-layered

Salt Spray Test 1000 h

RESULTS

Control 7.5	2.5 pbw zinc phosphate			
Talc	Talc	Quartz/Mica/ Chlorite	Aktisil PF 777	Aktisil AM
Unscribed				
				
				
Scribed				
				
				

**HOFFMANN
MINERAL**