

# 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
<b>Total</b>		<b>100.0</b>

partial substitution of anti-corrosive pigment  
PVC constant

	[pbw]
Zinc phosphate	2.5
<b>Filler varied</b>	<b>21.3 - 22.8</b>
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

**HOFFMANN**  
**MINERAL**

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Cold Rolled Blasted Steel; 80  $\mu\text{m}$  DFT, Single-layered  
Salt Spray Test 1000 h

## RESULTS

