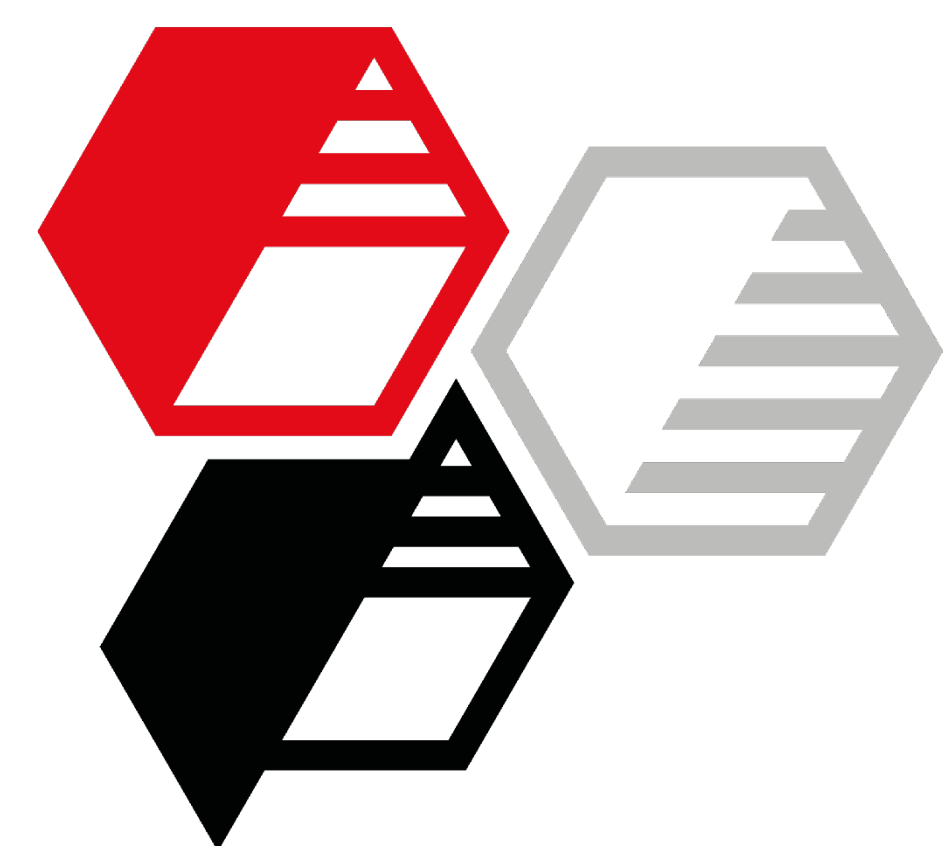
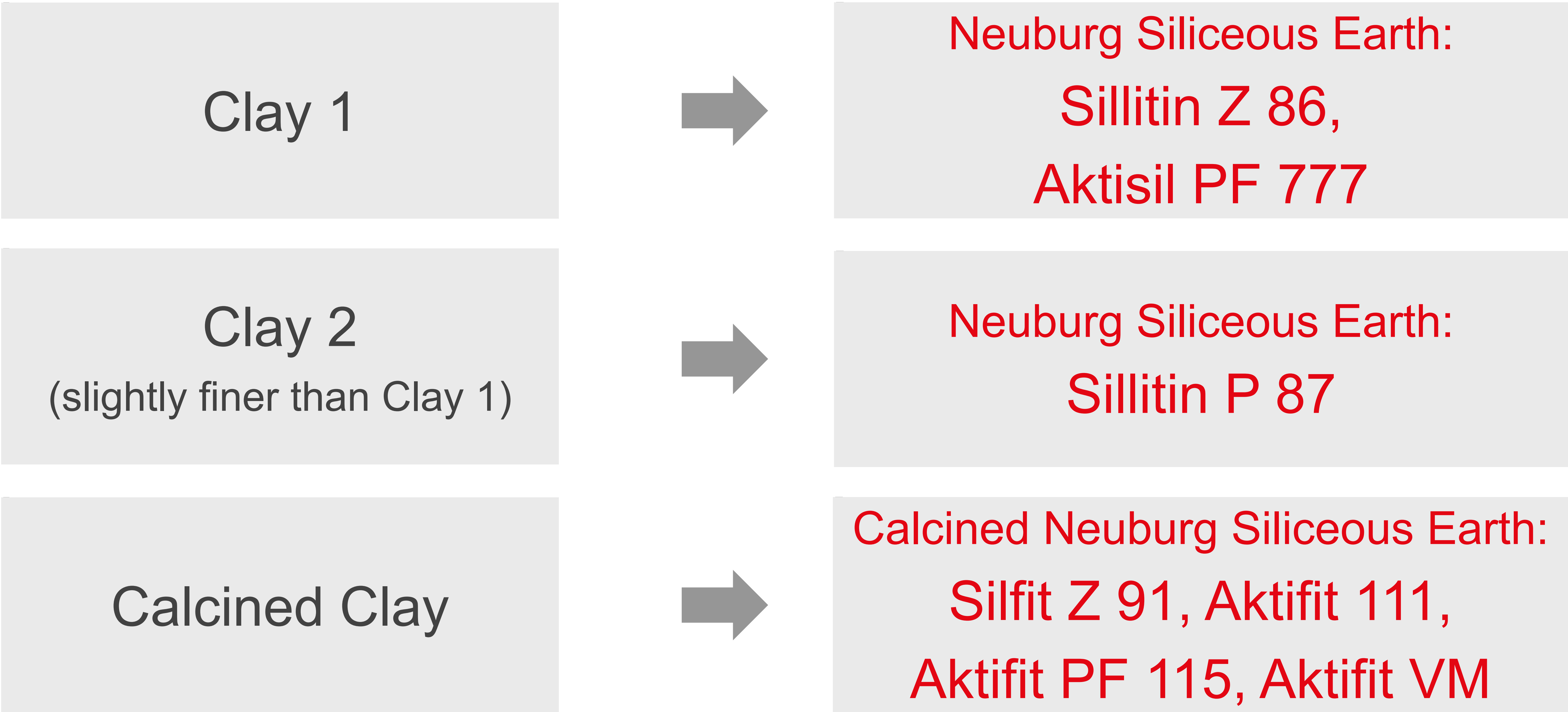


Neuburg Siliceous Earth in black cathodic electro deposition paints



Filler variations



Formulation

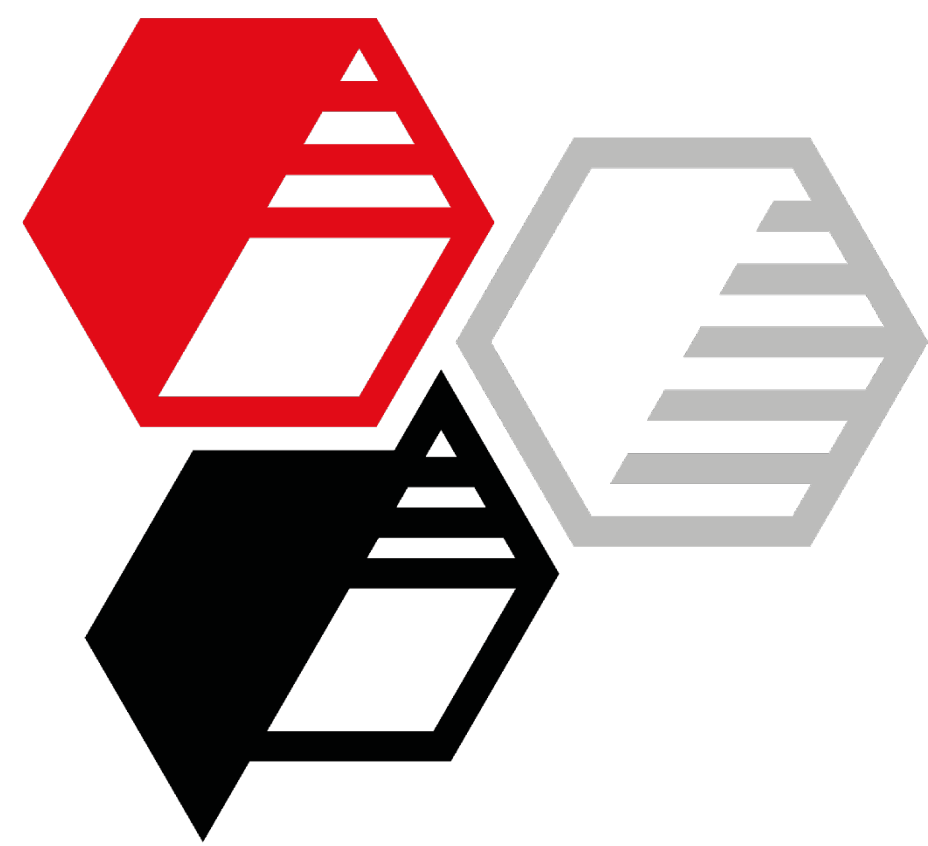
Pigment paste	Deionized water	38.075
	Acetic acid 30%	2.00
	Resydrol EM 6642/55 BG	18.175
	Surfynol 104/50 BG	1.75
	Special black 4	3.65
	Filler	36.35
Total [%]		100.00

Bath formulation	Resydrol EZ 6635WCAT/35WA	33.92
	Deionized water	59.82
	Pigment paste	6.25
Total [%]		100.00

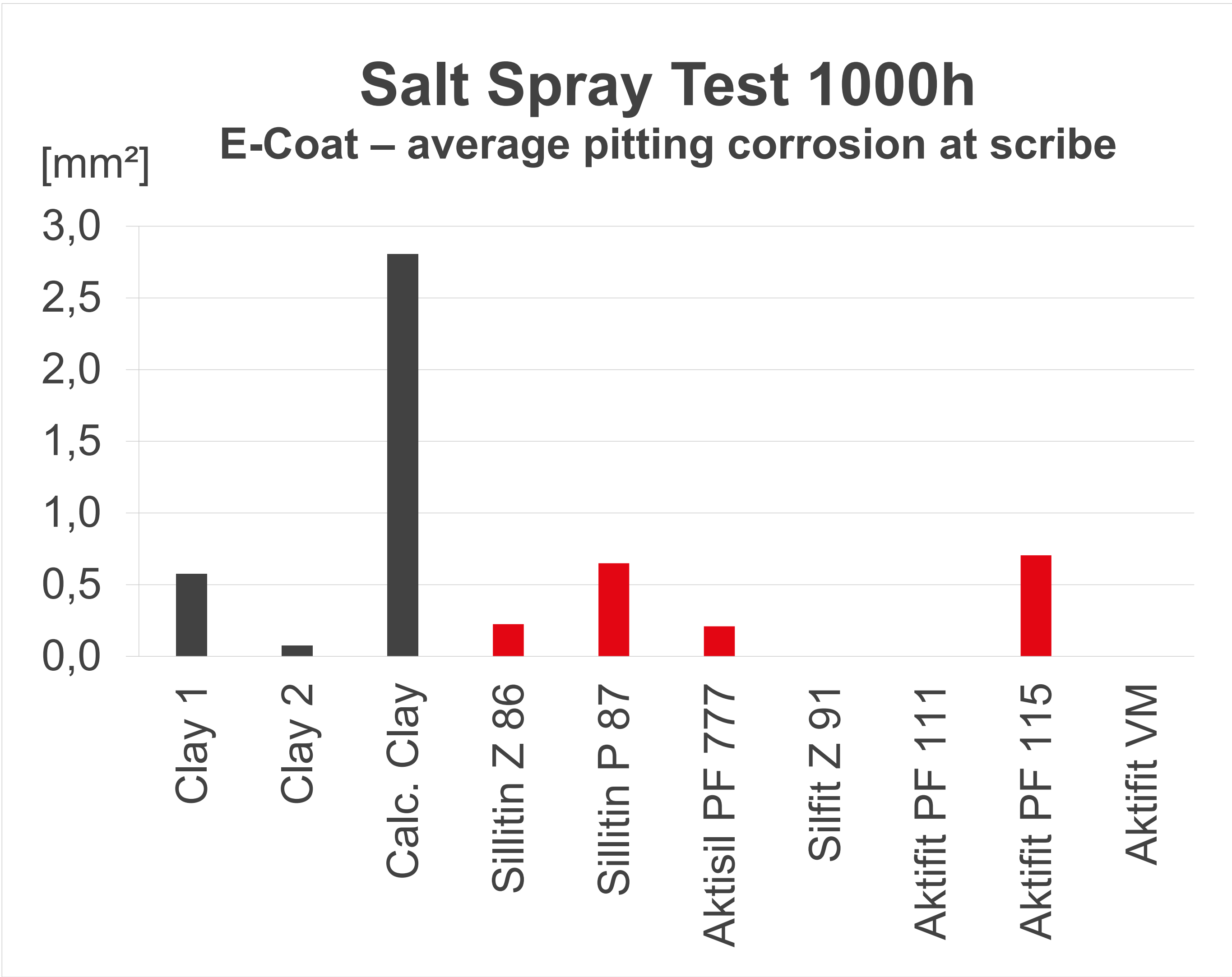
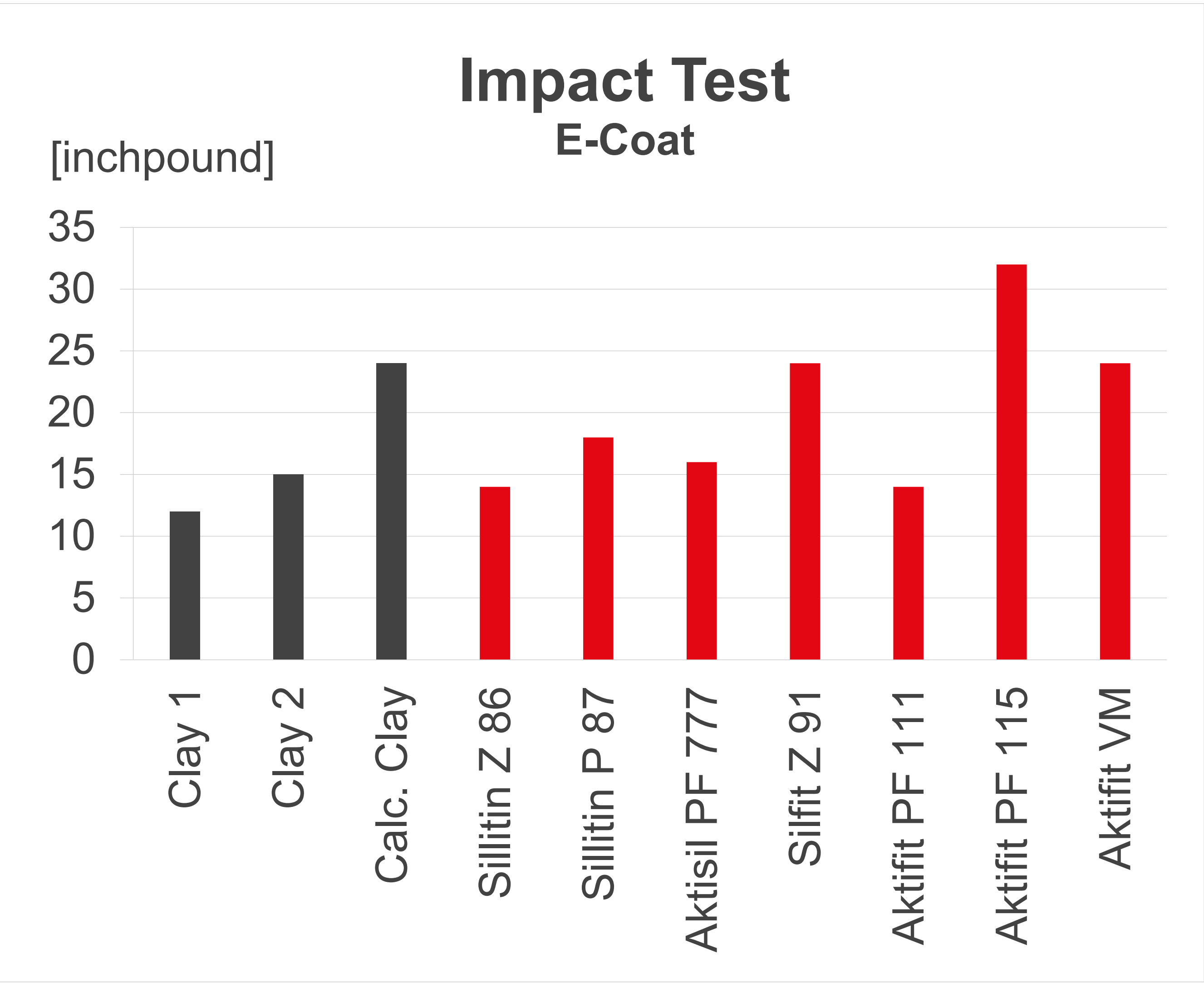
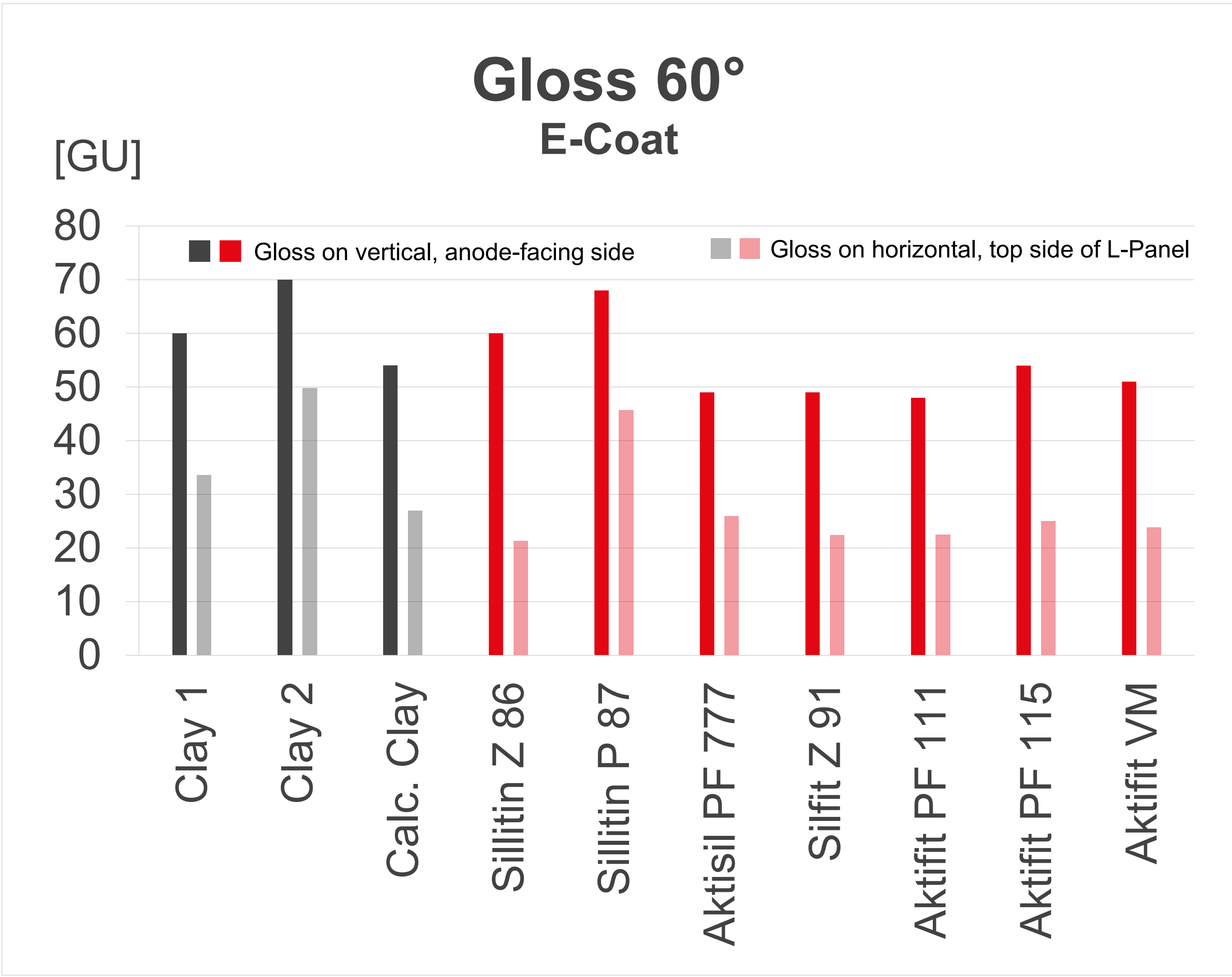
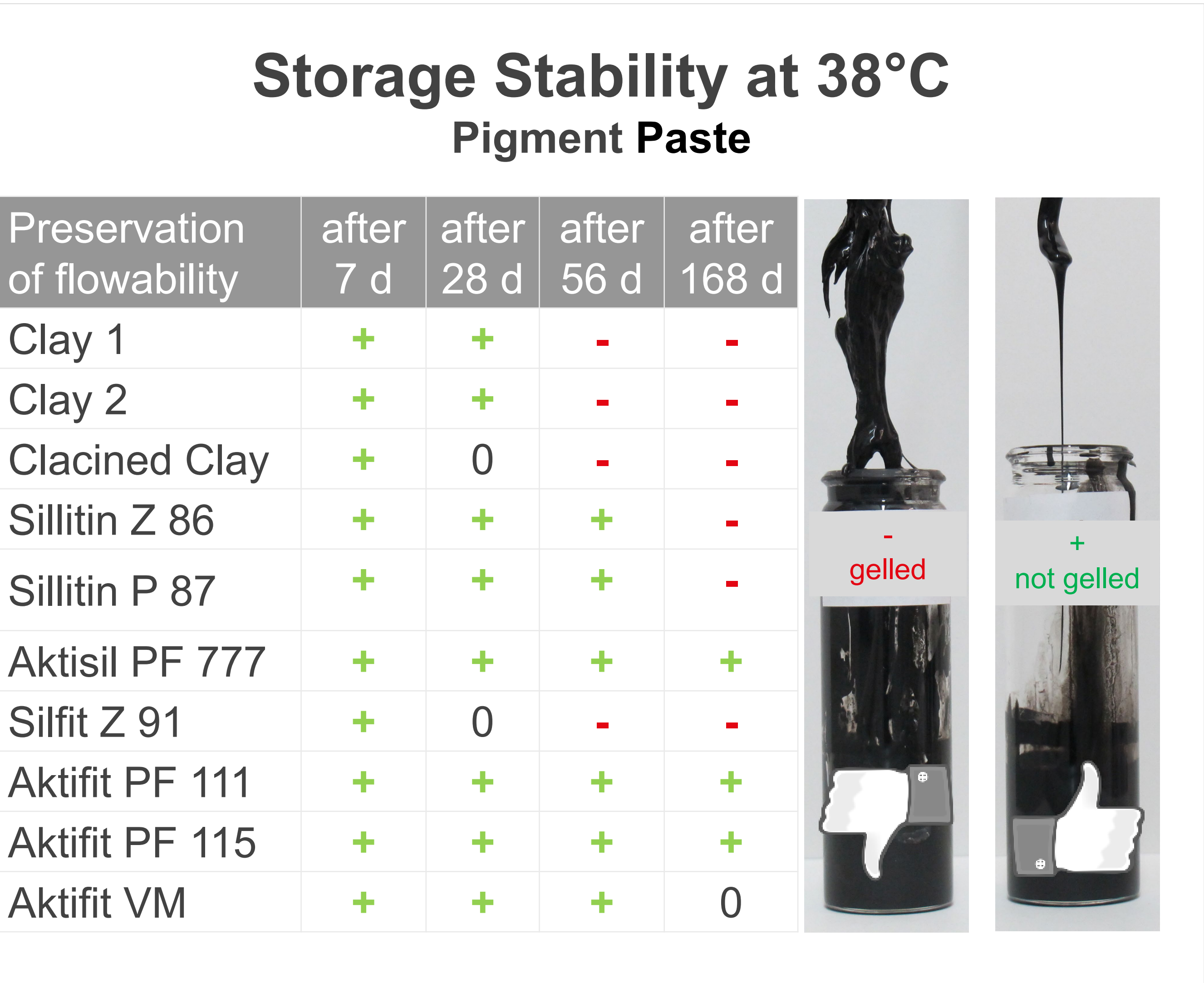
Guide formulation from Allnex

Pigment/binder ratio: 0.2
Substrate: Gardobond 26S/6800/OC (Steel, zinc phosphated)
Curing at 180° C (25 minutes dwelling time of the plates in the oven)
Dry film thickness: 30 µm

Neuburg Siliceous Earth in black cathodic electro deposition paints



Results



Summary

- Compared to the Clays, **Sillitin Z 86** and **Sillitin P 87** have a comparable good storage stability at room temperature, but an improved shelf life at raised temperatures. **Aktisil PF 777** becomes more viscous by storage at 38° C, but is stable over a considerably longer period of time (at least 6 months) and does not gel. It is also recommended for a visual uniform appearance on the different geometric parts (L-effect).
- Compared with the Calcined Clay, **Silfit Z 91** and the **Aktifit grades** offer improved storage stability even at room temperature. All **Aktifit types** achieve this even at raised temperatures. In addition, the **Aktifit PF 115** achieves better mechanical values at Impact Test. All **Calcined Neuburg Siliceous Earth** products show a significant improvement in corrosion protection.