Benefits of Neuburg Siliceous Earth in polishing

Objective

Improvement of the polishing behavior of different surfaces by using Neuburg Siliceous Earth (NSE)

Formulation

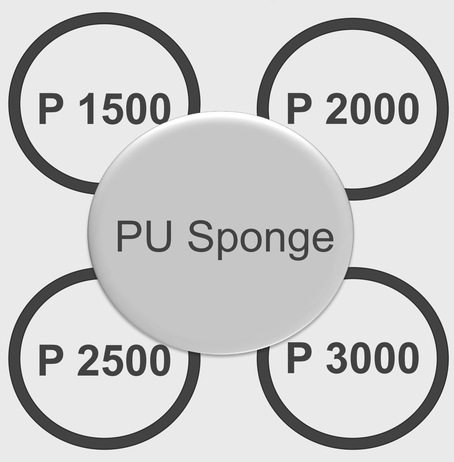
	Dosage in %
Exxol D 80	12
Glycerin	6
Span 80	1
Bentone SD 1	1
Abrasive agent	30
Water, demineralized with preservatives	50
Total	**100**

The **abrasive agents aluminum oxide and Neuburg Silicous Earth** were all used

1. **pure**
2. in a **1:1 mixture** of one part aluminum oxide with one part NSE (Sillitin P 87 puriss or Sillitin Z 86 puriss or Sillitin V 85)

<u>Experimental setup:</u>

1. Sanding with four different sanding pads (P 1500 to P 3000) with a weight of 500 g:



2. Polishing with PU sponge + various polishing formulations, meander with a weight of 1500 g at 2000 rpm

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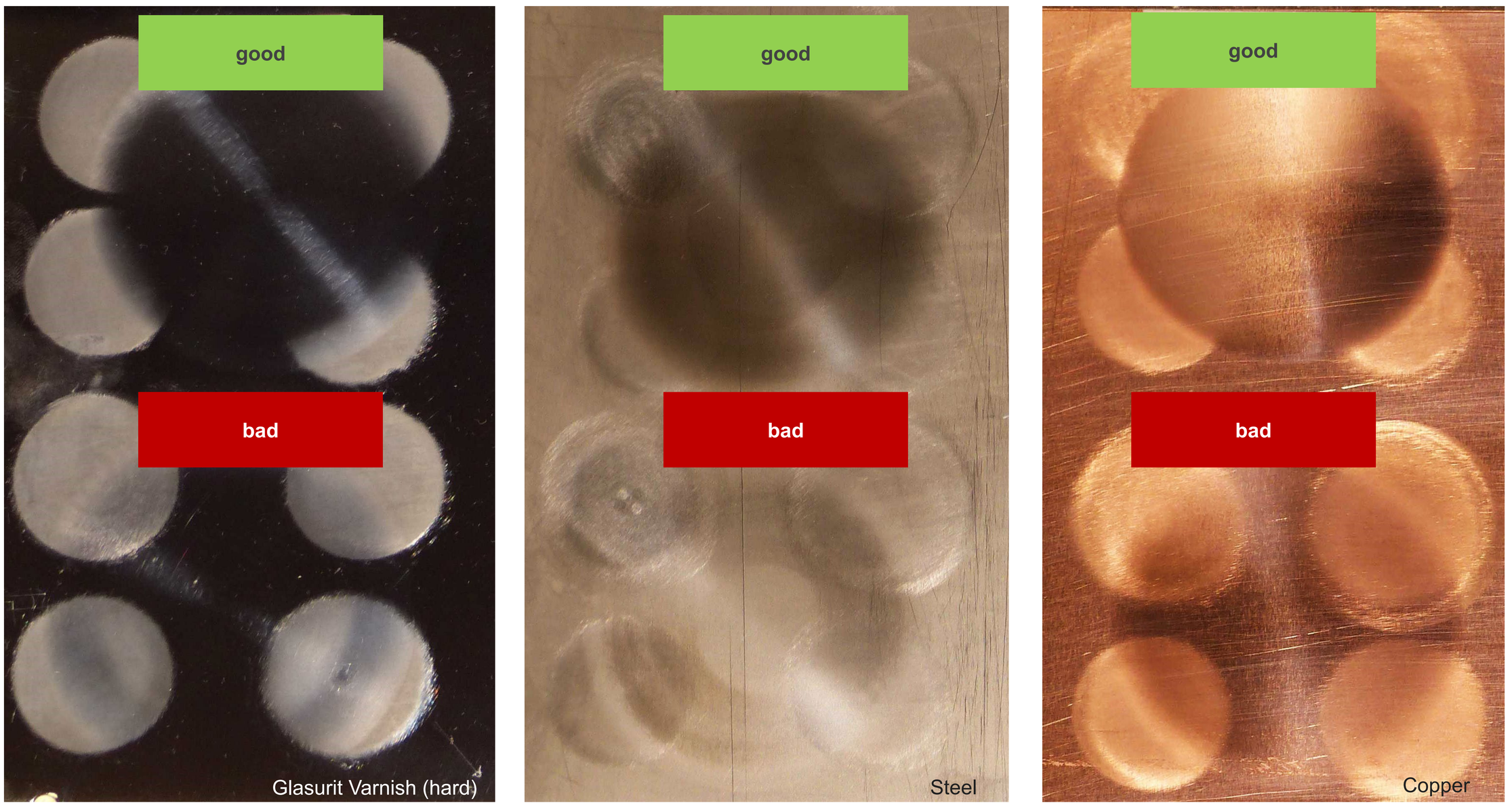
Results on an automotive coating and on different substrates



Summary

A combination of Neuburg Siliceous Earth with the commonly used aluminum oxide leads to better polishing results.

Potential for higher sustainability and carbon-footprint reduction.

Good:

Sillitin P 87 puriss, Sillitin Z 86 puriss,

Sillitin V 85 in a 1:1 combination with aluminum oxide.

Bad:

All abrasive agents including aluminum oxide,

when they are used single / pure and not in a combination.