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Summary

Properties of ProtectGuard Color



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Purpose

This report presents the tests aiming to check the stain-resistant properties of PROTECTGUARD COLOR applied on a concrete surface.

Samples

The samples are shown in Figures 1 and 2. It is white cement-based mortar treated with PROTECTGUARD COLOR.

- Figure 1: PGC Teal Green G100;
- Figure 2: PGC Desert Sand G100;
- Figure 3: PGC Classic Grey G100.



Figure 1

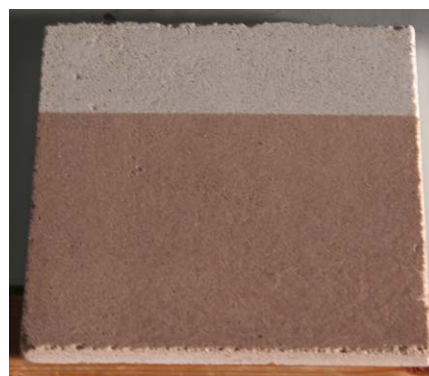


Figure 2



Figure 3

The applications were done with a low-pressure sprayer (HVLP).

To check the stain-resistant properties, the protocol used by LRVision is the following:

- with a graduated pipette, put 1ml drops of water on the treated and non-treated areas. After sixty seconds, the drops are wiped off with an absorbent cloth,
- with a graduated pipette, put 1ml drops of colza oil on the treated and non-treated areas. After sixty seconds, the drops are wiped off with an absorbent cloth,
- with a graduated pipette, put 1ml drops of wine on the treated and non-treated areas. After sixty seconds, the drops are wiped off with an absorbent cloth,
- put ketchup on the treated and non-treated areas. After five minutes, the drops are wiped off with an absorbent cloth,
- put mustard on the treated and non-treated areas. After five minutes, the drops are wiped off with an absorbent cloth.

Figures 4 and 5 illustrate the tests carried out.



Figure 4

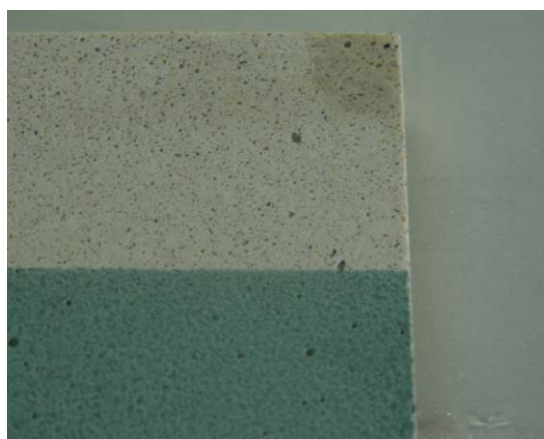


Figure 5

Results

Table 2 shows a summary of the results (1: excellent, 2: good, 3: weak).

Table 1

	Water	Oil	Wine	Ketchup	Mustard
Reference sample	3	3	3	3	3
PGC teal green G100	1	1	1	1	1
PGC classic grey G100	1	1	1	1	1
PGC desert sand G100	1	1	1	1	1

Conclusion

The tests show that the sample areas treated with "PROTECT GUARD COLOR G100" had efficient stain-resistant properties.