INSTITUTE FOR CORROSION PROTECTION DRESDEN GMBH
Private- sector research place
Deliberation- Case Of Damage Clarification- Quality Security- Research Test

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Test of the Beschichtbarkeit of metal surfaces, that were treated with fun @ welding.

In a trial appointment, fun @ welding of the Fa. became. CB(Chemie Und Biotechnologie GmbH, Berensweg 200, 33334 Gütersloh) on smooth and radiated Steel areas applied and removes subsequently through usual surfaces preparation means and – methods as well as washing off with water and NC- thinning. The so prepared metal surface became coats after that with a conventional coat tungsystem on Epoxidharzbasis after DIN EN ISO 12944-5, stopped 14 days of a Stove waterload after DIN 150017 and tested after that with respect to custody stability after DIN EN 24624 (deduction method) The results are assembled in following table.

Current number	Surface	Order of Welding Seperating Agent	Surfaces preparation after Welding seperating agent order	Layer thick Beschichtung in Avarage (µm)	Custody stability N/mm²
1	Smooth	No	With NC- thinning abgepinselt	50	>= 3
2	Radiated	No	1 minute with water abgepinselt	55	>= 6
3	Smooth	Yes	1 minute with water abgepinselt	40	>= 3
4	Radiated	Yes	1 minute with water abgepinselt	45	>= 6
5	Smooth	Yes	With NC- thinning abgepinselt	35	Ca.1
6	Radiated	Yes	With NC- thinning abgepinselt	45	Ca.2

SUMMARY OF THE RESULTS

The seperating agent Fun @ Welding draw lots remove it self through water problem-free of the Steel surface according to what a quality just coat was possible.
The use of organic solvents on NC-bases was not suited for a following coat.

Dr. W. Shulz