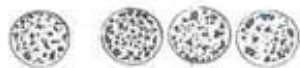


Requirements of TL 8135-0002 for the corrosion protection effect:



0 Grad

Keine Korrosionsschützende Wirkung

None (Grade 0)



1 Grad

Geringe korrosionsschützende Wirkung

Slight (Grade 1)



2 Grad

Mittlere korrosionsschützende Wirkung

Middle (Grade 2)



3 Grad

Gute korrosionsschützende Wirkung

Good (Grade 3)

Test results:

VCI paper: „SAFEPACK SP-FE Grade Paper“

Test body: Control sample With VCI paper protected samples

Evaluation:



Corrosion protection effect: Grade: 3 3 3

Director of the Institute

Prof. K.-R. Eschke



Official in Charge

Dipl.-Ing. W. Reimers

Test method (corrosion protection for steel)

Standard-test according to the German TL 8135-0002:

This method standardised by the German armed forces is used to determine the corrosion protection effect of VCI papers and films on a defined test object of constructional steel.

A glass container (1) is sealed with a rubber bung (2) in which a test object made of constructional steel (3) with a machined surface and two strips of VCI paper (4) are fixed. The glass container contains a mixture of water and glycerine (5).

After a period of 22 h, which serves as the build-up phase for the VCI active substance, the glass container is heated from room temperature to 40 °C in a fan oven (2 h). Moisture condenses on the surface of the test object, resulting in corrosion on the control sample without VCI. The test objects in the containers with VCI should display little or no corrosion.

The corrosion symptoms are documented and the protective effect is assessed by comparison with the control sample.

