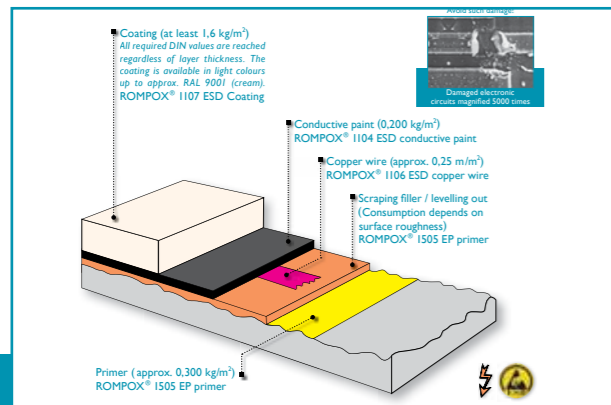


Our service for your success.

ROMEX® SLIP SAFETY CONCEPT

We offer tailor-made safety concepts for your industrial floor coating, specifically for your special, industrial needs.

- Analysis of your requirements
- Testing of floor system and shoes in your company environment
- Recommendation of the slip safety classification and shoe type
- Preparation of samples of the nonslip floor coating as well as laying of sample surface on site
- Presentation and checking of prepared slip safety concept with your expert for work safety
- Checking by using our sliding friction test machines on sample surfaces, during laying and after the coating has been completed
- Production of a test protocol for final inspection and release
- Regular checks to guarantee permanent safety



All coatings can also be supplied with the ROMEX® ESD system. Further ROMEX® products for all industrial and production areas are offered by ROMEX® partners in more than 20 countries.

SLIP RESISTANCE SYSTEM

Concept, Advice,
Service – from one source



More than 1 million accidents happen in Germany each year, due to people falling on floors that are not slip resistant! ROMEX® offers you a Full-Service-Concept as well as high quality systems, which meet all the requirements that are expected of an industrial, slip resistant/nonslip floor coating.

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Slanted level acc. to DIN 51 130



Slanted level

In Germany, the test used to determine slip resistance is always the construction sample test according to BGR 181, corresponding to DIN 51 130 „Test of floor coverings – determining the nonslip property – work-rooms and work areas with increased risk of slipping – walking method – slanted level”.

The test method according to DIN 51 130 serves as a suitability test to determine and to classify the nonslip quality industrial floor coatings. DIN regulates the use of nonslip floor coatings.

The floor coating to be tested is attached to a set up that can be tipped and then painted with motor oil. A test person then „walks“ downwards on the slanted level with normed work shoes, in small steps, forwards and backwards. The test angle is continuously changed and measured until the test person feels unsafe or slips.

The angle degree then determines the so called R value.

R 9: 6° - 10° | **R 10:** > 10° - 19° | **R 11:** > 19° - 27° | **R 12:** > 27° - 35° | **R 13:** > 35°

According to the requirements of the trade association guidelines BGR 181, the minimum requirement is:

Evaluation group	Areas of application examples
R 9	General indoor areas such as offices and break rooms, company canteens, sales rooms, packaging areas, checkout areas, customer rooms, OP rooms, hospital rooms, corridors, chemists, laboratories, hairdressers, medical practices, switch rooms, classrooms, break halls, corridors and entrances in schools and nurseries.
R 10	Public toilets, work rooms in schools, garages and underground car parks that are not affected by the weather.
R 11	Entrances to shops, outside stairs, kitchens in residential homes, nurseries and sanatoriums
R 12	Hospital kitchens and other kitchens with a capacity of more than 100 settings daily, rooms for hose maintenance at firestations.
R 13	Abattoir floor coatings

Adjacent work areas must also be covered according to „adjacent“ test groups, i.e. crossing from R 12 to R 11 is allowable, from R 12 to R 10 not.

Work areas that are subjected to loads consisting of greasy, paste-like or viscous materials need to have a displacement room. Barefoot areas subject to water are classified according to DIN 51 097 in ABC-degree-classifications.

PENDULUM-TEST



Skid Resistance Tester

The SRT pendulum test is used in Europe mainly to determine slip resistance in road construction, as well as for pedestrian zones and trafficked areas.

The SRT machine consists of a calibrated pendulum, that measures micro roughness, and an emission measurer that in principle determines the roughness and thus the displacement group, indirectly, but not comparatively. Both measured values lead to the SRT value.

SRT values are required acc. to EN 1341 (slabs), 1342 (paving stones), 1343 (curbstones) for natural stones as floor coverings, stairs and paving stones in outside areas, but are not recognised by German trade associations due to unreliable test results.

SLIDING FRICTION TEST acc. to DIN 51 131



Sliding friction instrument

Even though the trade association only allows certain results using sliding friction testing machines, all surfaces on building projects must be able to be tested for slip safety. We recommend, as do leading surveyors, accompanying testing during and after application.

With this testing method, movable test machines with varying sliders, measure the slip resistance.

On site testing is possible. The results are authorised for floor coverings up to requirement R 9 and bare foot areas up to classification B with displacement room below 4 cm³ / 100 cm².

According to BGR / GUV-R 181 for R 9 and classification B, the following categories are valid for the sliding friction coefficient:

up to 0,30 = insufficient slip resistance
 from 0,30 – 0,44 = slip resistant
 from 0,45 = fit for unlimited industrial use

Due to missing comparative sliding friction coefficients with R classification, we have determined our own measuring values. With these measuring values, we are able to determine values for the classifications R 10 to R 13, which offer a practical test of slip safety as a guide for laying companies and users.

The requested values of R 10 to R 13 (slanted level) cannot be measured on the finished floor. Experts make use of the sliding friction test method in order to get comparable values.

ROMEX® has carried out comparative testing on 12 different, rough floor coatings and can thus produce comparable classification for the finished project. You can find all the measured and test values in the research report „Slip safety“ by ROMEX® Produktionsgesellschaft. Request your copy from us or download it at www.romex-mb.de.