

Skid Tiles for Permanently Comparable Test Conditions...

Fused Cast Basalt Successfully used Worldwide on Vehicle Test Tracks



The vehicle industry and their suppliers have to carry out regular and practice-oriented road tests for evaluating new automobile components and tires. Extreme situations are simulated repeatedly during these tests on specially prepared test tracks suited for this purpose.

However, the results of road tests are only useful when the general conditions on the test track are consistently reproduced. The material, shape and surface characteristics of the road surface are key functions in this regard.

Fused cast basalt has proven worldwide to be an extremely abrasion resistant surface of defined smoothness.

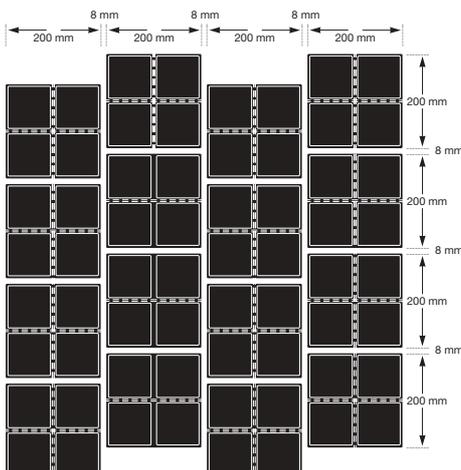
The test parameters of dry and wet condition are known and can be precisely maintained. Fused cast basalt is an ideal surface for vehicle test tracks.

What is fused cast basalt?

Natural basalt is melted in special furnaces at temperatures of approx. 1,300 °C / 2,372 °F and cast into the desired shapes and dimensions.

Upon completion of a controlled annealing process the hard natural basalt has become ABRESIST, highly wear resistant fused cast basalt with a smooth surface.

*Shaped
ABRESIST
tiles laid
offset*



High Abrasion Resistance and Low Friction Coefficient: **ABRESIST Skid Tiles with Unpolished and Polished Surface**



*With natural surface (right)
 and polished surface (left)*

Shaped tiles of 200 x 200 mm with the surface sub-divided into four squares have proven successful as test track surfacing.

ABRESIST skid tiles are offered with a natural glassy as-cast surface or with a polished surface for further reducing the friction coefficients.



*Installation of the test track
 with ABRESIST fused cast basalt*

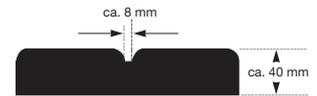
Additionally, pre-fabricated assemblies of skid tiles laid offset can be supplied. The laying and jointing can be carried out with testing products, e.g. SIKA.

Contribution to safety in traffic

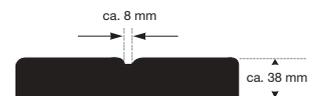
The vehicle industry and its suppliers not only require high reproducibility of operating data. Test tracks using fused cast basalt as one part of the surface are built for the specialized driver training and general safety in traffic.

The most recent example in that respect is a new European traffic safety center for which Kalenborn supplied the time-tested ABRESIST fused cast basalt. The traffic safety center trains private and professional drivers who learn to master their vehicle in most difficult situations.

Shaped ABRESIST tile – sectional view

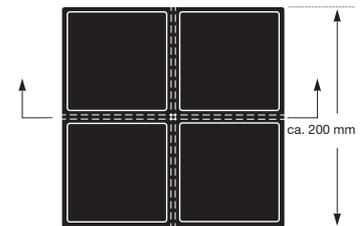


Unpolished



Polished

Shaped ABRESIST tile – top view



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