EGOLF AGREEMENT 027-2016

Subject of Agreement	Products with large thicknesses
Related test standard	EN ISO 9239-1
Date of issue	April 2016
Reference original query	N591
Previous publication number (if applicable)	
Keywords (max. 20)	large thickness, coating, extrapolation, homogeneous, flooring

Problem

We have to test according to EN ISO 9239-1 a coating (used as flooring, made out of epoxy resin, mixed with sand and pebbles) with a total thickness up to 200 mm. Due to technical reasons of the test device it is just possible for us to test products with thickness maximum 80 mm. I assume, taking also into regard the procedure according to 8.2.3 of the standard, that this limitation concerning the thickness is valid also for other test labs. A product standard does not exist for this product.

Question

When using the test procedure according to EN ISO 9239-1 for products with thickness more than 80 mm how can you classify these products according to EN 13501-1.

Agreement

Test the product with the maximum testable thickness (80 mm). The test result can be used to do the extrapolation (based on the test result you get with this thickness) that the classification is also valid for higher thicknesses. As an additional option or as proof for this extrapolation (especially applicable when covering a thickness range (e.g. from 20 mm to 200 mm) test the minimum thickness, a medium thickness (e.g. 40 mm) and the maximum testable thickness (80 mm). For the case that the test results show the tendency that the reaction to fire behavior is getting worse in direction to higher thickness, it is not possible to classify higher thicknesses than the maximum tested thickness.

This procedure is solely valid for homogeneous products (i.e. coatings as well as all other kind of floorings). For inhomogeneous products another procedure has to be defined.