

EGOLF RECOMMENDATION 005-2016

Subject of Recommendation	Difference in density of calcium silicate board given in the standard
Related test standard	CEN/TS 1187 test method 1 and 2 and NEN-EN 13501-5
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Problem

In the CEN/TS 1187 test 1 a standard supporting deck is mentioned from calcium silicate board with a density of (870 ± 50) kg.m⁻³. According to the EN 13501-5 this calcium silicate board must have a density of (680 ± 50) kg.m⁻³. The density of (680 ± 50) kg.m⁻³ is also mentioned in the CEN/TS 1187 test 2. According to one of the biggest suppliers on the market the densities which are available on the market are with the densities 150-550 kg.m⁻³ and or 800-1000 kg.m⁻³.so there is no density available of (680 ± 50) kg.m⁻³.

Solution

We shall follow the rules as mentioned in the CEN/TS 1187 test 1, and use a standard supporting deck of calcium silicate board with a density of (870 ± 50) kg.m⁻³ for test 1.