

# Testing and assessment of resilient floorings and sandwich constructions

Next to classic resilient floorings like PVC with different back layers, linoleum or cork also sandwich constructions fitted as loose panels are more and more popular. The sandwich constructions are consisting of a resilient wear layer (cork, PVC; linoleum, rubber) and a substrate based on wood based material (mainly HDF).

These panels for loose laying with standardized resilient surface are standardized in EN 14085. Multi-layer modular flooring (MMF) with other not standardized resilient surfaces are defined in EN 16511. We offer you a wide spectrum of testing facilities for the quality confirmation of classic resilient floorings and sandwich constructions.

## Testing of resilient, multilayer modular or loose layed panels

### Test for product standards or technical declaration

- Abrasion resistance acc. to EN 660-2/EN 13329/EN 15468
- Resistance against staining acc. to EN ISO 26987/EN 438-2
- Resistance against movement of a furniture leg/castor chairs acc. to EN 424/EN 425
- Geometrical dimensions/mass acc. to EN ISO 24341, EN ISO 24342, EN ISO 24346, EN ISO 24340, EN ISO 23997/ISO 24337
- Peel resistance and shear force acc. to EN ISO 24345/EN 432
- Residual indentation acc. to EN ISO 24343-1
- Impact resistance (big ball) acc. to EN 438-2
- Flexibility acc. to EN ISO 24344
- Dimensional stability acc. to EN 662/EN 669/EN ISO 23999/24339
- Thickness swelling acc. to 24336



Example of an inelastic cork coating with cracks after castor chair test acc. to EN 425

- Locking strength acc. to 24334
- Exudations of plasticizers acc. to EN 665
- Resistance to stubbed and burned cigarettes acc. to EN 1399

### Tests for harmonized standard EN 14041/VOC-regulation

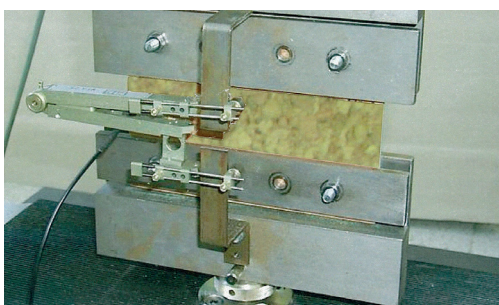
- Reaction to fire acc. EN 9239-1/EN ISO 11925-2
- Formaldehyde emission acc. to EN 717-1/2
- PCP-Content acc. to CEN TR 14823
- Coefficient of friction acc. to EN 13893
- Electrostatic behaviour acc. to EN 1815
- Electrical resistance acc. to EN 1081
- Thermal resistance acc. to EN 12667
- VOC-Emission acc. to ISO 16000/CENTS 16516



Determination of the electrical resistance acc. to EN 1081

### Requirements (Examples)

- EN ISO 10581, 10582, ISO 10874 (PVC floorings)
- EN 12104 (cork flooring tiles)
- EN 14085 (panels for loose laying)
- EN 16511 (MMF floorings)



Determination of the locking strength of cork floorings acc. to ISO 24334



Determination of the abrasion resistance with falling sand test acc. to EN 660-2

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