

## Technical leaflet

### Sports flooring

### Definition and requirements concerning sports flooring

#### Sports flooring for multipurpose use

The essential requirements and features of indoor sports floorings for indoor and multi-purpose use and multi-functional sports use (handball, basketball, volleyball, soccer with teams of five, school sports lessons or other sports activities) are described in the following standards:

- EN 14904 - European standard for indoor sports floorings, it replaces the European national standards
- DIN V 18032-2 - Characteristics of sports floorings (for Germany)

Sports floorings for multipurpose use according to the above standards must meet the following four criteria:

1. Guarantee of the best possible sporting performance and fulfillment of all sport functional properties which are recorded in the usage concept. This also includes a shock-absorbing surface and the reflection of a bruised ball. This reflection is essential for many ball sports
2. Reduction of noise and sound propagation
3. Contribution to accident prevention
4. Extremely durable

Depending on the area of application and the type of sport practiced, the sports flooring must have the appropriate functional characteristics. The following features are checked:

- power reduction
- standard deformation
- sliding friction from 80 - 110
- ball reflection  $\geq 90\%$  with a standardized ball in relation to a concrete floor
- Rolling load of at least 1500N

These special requirements for sports floorings can only be achieved through the appropriate interaction of the subconstruction and the surface layer. **EGGER floorings are not designed as sports floorings, cannot meet these requirements and are therefore not suitable for use in sports- and multipurpose halls.**

## Sports floorings for gyms

For areas such as fitness rooms, yoga rooms or course rooms where various activities such as Zumba, aerobics or other fitness exercises / courses take place, there are no relevant standards or certification regarding the flooring to be used. The flooring applied in such areas should be

- reliable
- slip-proof
- joint-friendly
- and sound-deadening.

Gyms can be certified according to DIN 33961, a requirement that arises for hygienic reasons within the scope of this certification is that the flooring allows daily maintenance cleaning. **EGGER floorings can be used in these areas of a gym.** Especially

- EGGER GreenTec design floorings,
- EGGER Laminate floorings from usage class 32 upwards with a thickness of  $\geq 8\text{mm}$ ,
- EGGER Comfort floorings of usage class 32 with restrictions.

In any case, the usage concept should be clarified in advance in order to then decide individually and object-related whether and which EGGER flooring would be suitable ultimately.

## Conclusion

- EGGER floorings are only suitable for the use as sports floorings in gyms and here the usage must be clarified in advance.

### Provisional note:

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