

Technical data

noraplan® sentica acoustic, surface: smooth

| | Test method | Requirements | Average test results from running production |
|---------------------------------|-----------------|---|---|
| CE conformity | EN 14041 | | Manufacturer: nora systems GmbH, D-69469 Weinheim |
| DoP-No. | EN 14041 | | 0017 |
| Thermal conductivity | EN 10456 | $\lambda = 0.17 \text{ W/(m}\cdot\text{K)}$ | Fulfilled |
| Dynamic coefficient of friction | EN 13893 | DS | Fulfilled |
| Reaction to fire | EN 13501-1 | Not bonded | C _s -s1 |
| Reaction to fire | EN 13501-1 | Bonded on mineral subfloor | B _s -s1 |

Properties acc. to EN 1816

| | | | |
|-------------------------------------|--|--|---|
| Thickness | EN ISO 24346 | Mean value ± 0.20 mm acc. to EN 1816 | 4.0 mm |
| Dimensional stability | EN ISO 23999 | $\pm 0.4 \%$ | $\pm 0.3 \%$ |
| Cigarette-burn resistance | EN 1399 | Procedure A (stubbed out) \geq level 4 Procedure B (burning) \geq level 3 | Fulfilled |
| Flexibility | EN ISO 24344, procedure A | Mandrel diameter 20 mm, no fissuring | Fulfilled |
| Hardness | ISO 48-4 | ≥ 75 Shore A acc. to EN 1816 | 85 Shore A |
| Residual indentation | EN ISO 24343 | acoustic: Mean value ≤ 0.25 mm | 0.25 mm |
| Abrasion resistance at 5 N load | ISO 4649, procedure A | $\leq 250 \text{ mm}^3$ | 130 mm ³ |
| Colour fastness to artificial light | ISO 105-B02, procedure 3, test conditions 6.1 a) | At least level 6 on the blue scale; \geq level 3 on the grey scale | Grey scale \geq level 3 acc. to ISO 105-A02 |
| Classification | EN ISO 10874 | Commercial / Industrial | 33 / - |

Additional technical properties

| | | | |
|--|--------------|----------------------|--|
| Toxicity of fire gases | DIN 53436 | | Carbonisation gases are non-toxic |
| Anti-slip properties | DIN EN 16165 | Acc. to DGUV 108-003 | R 9 |
| Improvement in footfall sound absorption | ISO 10140-3 | | 20 dB |
| Effect of chemicals | EN ISO 26987 | | Resistant depending on concentration and time of exposure* |
| Electrical insulation properties | EN 1081 R1 | | $> 10^9 \text{ Ohm}$ |
| Electrical propensity when walked upon | EN 1815 | | Antistatic, charging in case of rubber soles $< 2 \text{ kV}$ |
| Effect of a castor chair | EN ISO 4918 | | Suitable if castor wheels, type W, acc. to EN 12529, are used |
| Underfloor heating | EN 1264-2 | | Suitable, max. 35 C° |

* In case of increased impact of oils, grease, acids, alkalis and other aggressive chemicals please contact us.

EN 1816: Specification for homogeneous and heterogeneous smooth elastomer floor coverings with foam backing

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.

