

Technical data

noraplan® signa, single-layered, 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 | | 0016 |
| 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 | B _{ir} -s1, bonded |
| Reaction to fire | EN 13501-1 | Bonded on mineral subfloor | B _{ir} -s1 |

Properties acc. to EN 1817

| | | | |
|-------------------------------------|--|--|---|
| Thickness | EN ISO 24346 | Mean value $\pm 0.15 \text{ mm}$ acc. to EN 1817 | 2.0 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 24 344, procedure A | Mandrel diameter 20 mm, no fissuring | Fulfilled |
| Hardness | ISO 48-4 | $\geq 75 \text{ Shore A}$ acc. to EN 1817 | 92 Shore A |
| Residual indentation | EN ISO 24343 | Mean value $\leq 0.15 \text{ mm}$ at thickness $< 2.5 \text{ mm}$ | 0.03 mm |
| Abrasion resistance at 5 N load | ISO 4649, procedure A | $\leq 250 \text{ mm}^3$ | 150 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 | 34 / 42 |

Additional technical properties

| | | | |
|--|--------------|-----------------|---|
| Toxicity of fire gases | DIN 53436 | | Carbonisation gases are non-toxic |
| Anti-slip properties | DIN 51130 | Acc. to BGR 181 | R 9 |
| Improvement in footfall sound absorption | ISO 10140-3 | | 6 dB |
| Effect of chemicals | EN ISO 26987 | | Resistant depending on concentration and time of exposure* |
| Electrical insulation properties | EN 1081 R1 | | $> 10^{10} \text{ Ohm}$ |
| Electrical propensity when walked upon | EN 1815 | | Antistatic, charging in case of rubber soles $< 2 \text{ kV}$ |
| Effect of a castor chair | EN 425 | | 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 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings

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



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