# Technical Datasheet

# DURALINE® STRONG 50/12
# FLOOR MARKING TAPE



Art. No. 172503

Colour red / Signal Red RAL 3001

EAN 4005546982465

For safety and orientation in storage and operations: Self-adhesive floor marking tape for the long-term marking of parking spaces, safety zones, walkways and driveways.

## Technical information

| | | |
|---|---|---|
| **Foil** | | |
| floor tape | PVC-P foil | |
| colour | signal red RAL 3001 | |
| execution | chamfered edges | |
| R-value | R10 | according to DIN 51130 |
| **Dimensions** | | |
| foil thickness (mm) | 1,0 | |
| adhesive base | modified solvent acrylic | |
| thickness adhesive layer (mm) | 0,16 | |
| liner | PE film | |
| thickness liner | 0,10 mm | |
| total thickness | 1,26 mm | |
| width (mm) | 50 | |
| length (m) | 30 | |
| core diameter (mm) | 76 | |
| core material | PP | |
| **Adhesion properties** | | |
| initial tack (kg/cm) | < 8 | according PSTC-6 |
| 180° adhesion (kg/cm) | > 1,8 | according ASTM-D1000 |
| holding power (hrs/cm²) | > 48 | according to STC-7 |
| temperature resistance | -30° C to +70° C | 1 h/° C |
| **Packing** | | |
| packaging | 1 pc. / PE bag / corrugated carton | |
| weight | 2.200 g | |
| **Storage** | | |
| storage | in original packaging, store in following conditions | |
| storage conditions (approx.) | +17° to 21° C / 50 to 55 % humidity (RF) | |
| storage time | 18 months | |

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| Processing temperatures | |
|---|---|
| minimum underground application temperature | +10° C |
| advised application temperature | +15°C to 25° C |

| Application | |
|---|---|
| areas of application | indoor and covered outdoor, but basically designed for indoor use |

| Resistance | |
|---|---|
| UV | good |
| weather | good |
| mineral oils | good |
| vegetable oils | good |
| collant (containing compounds of esters and amines) | good |
| alkaline liquids (pH 7 - 9,5) | good |
| powerful alkaline liquids (pH 9,5 – 14) | good |
| acids (pH 2 – 7) | good |
| powerful acids (pH 0 – 2) | good |
| disinfectants | good |
| alcohol | good |
| chloride solutions | variable |
| solvents (aromatic aliphatic) | variable |
| halogenated solvents | variable |
| plasticizers like phatalates | slow degradation. |
| acetat and aldehyde | low |
| ketones (acetone) | low |

| Application Information | |
|---|---|
| floor conditions | The surface must be dry, firm, flat and closed and free of dirt, grease, dust, tar, wax and other dirt. In the case of heavy soiling, clean beforehand with a commercially available IPA cleaner (isopropyl alcohol 99,9 %). Never use cleaners that contain chlorine or citrus. Always clean with water and soap after cleaning with degreasing agent. After cleaning, wait at least half an hour until the surface has completely dried. Only then apply DURALINE®.<br>A primer is recommended on concrete, wood and asphalt. |
| application | Before using DURALINE®, you should first use a test strip to check whether the floor is suitable for DURALINE®.<br>Mark the place where DURALINE® is to be attached. Then remove approx. 10 cm of the protective film and press the material with the adhesive side firmly onto the floor. Unroll as much material as you need. Remove the protective film with one hand while pressing the material with your other hand. For a better adhesive result, we recommend a pressure roller in order to press the material evenly over the entire surface. Please do not glue the material overlapping. |
| usage | After attaching, the material is immediately accessible on foot, full usage is possible after 48 hours. |

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| | |
|---|---|
| cleaning | DURALINE® can be cleaned with (warm) water and commercially available cleaning agents. |
| removing DURALINE® | Start pulling the material off the floor at one corner. Heat facilitates removal; a temperature of 60° - 70° C is ideal.<br>To remove adhesive residues, we recommend alcohol or a strong solvent. Test the compatibility on the floor beforehand. |
| warranty | DURALINE® products are conditionally warranted 2 years from purchase. Warranty claims are only limited to replacement of DURALINE. The warranty does not cover the maneuvering of vehicles or items being dragged, pushed or scraped across such as pallets or transit skids. |

| | |
|---|---|
| **Note** | All technical data represent non-binding average values. Appropriate tests should decide on the usability. We reserve the right to make changes in the course of technical progress to improve the product. |

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