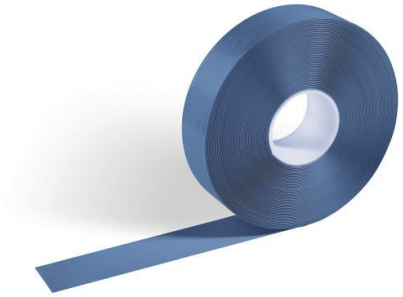
Technical Datasheet

DURALINE® STRONG 50/12
FLOOR MARKING TAPE



Art. No. 172506

Colour blue / Signal Blue RAL 5005

EAN 4005546999883

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 blue RAL 5005	
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®. 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®. 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. 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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