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## Two component, aliphatic polyurethane exterior and interior paint

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DOMODUR is a two component paint with solvents (no addition of solvent is required), based on aliphatic polyurethane, specific for exterior and interior floors and metal surfaces (horizontal and vertical), which offers protection and mechanical strength without being affected by direct sunlight.

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### Field of application

DOMODUR is suitable for application on:

- Exterior floors
- Industrial floors
- Storage rooms
- Parking
- Gas stations
- All kinds of metal surfaces (under certain conditions)

### Advantages

- No addition of solvent is required.
- Non-yellowing and resistant to UV radiation.
- Excellent coverage.
- High bonding strength.
- High abrasion resistance.
- Easy cleaning with pressured water >6 atm.
- Resistant to chemicals.
- High resistance to water, cleaners, oils and lubricants.

### Method of use

#### Substrate condition:

The application surface must be dry (substrate humidity <4%), stable, sound and free of any materials that prevent the proper adherence of the product, as dust, loose pierces, grease, etc. Any existing cracks and holes must be repaired before the application of the product.

Prepare the surface by sanding, sandblasting or shot blasting depending on the nature of the substrate, in order to achieve better adherence. Then clean the surface thoroughly from the dust with a high power vacuum cleaner.

Prior to product application, primer the substrate with epoxy primer DOMOPOX FLOOR PRIMER or DOMOPOX FLOOR PRIMER 50, applied by roller. Alternatively, it can be used for priming the aliphatic polyurethane varnish SERITAL PT. Especially for metal surfaces is proposed anticorrosive epoxy primer DOMOPOX SPECIAL PRIMER.

#### Mixing:

Mixing ratio:

A (paste):B (liquid) 3:1 w/w

The components A and B are packed in a default mixing ratio.

Component B is added to component A.

The two components are mixed with an electric agitator of low power (300 rpm). The mixing time should be at least 5 minutes until the mix is completely homogeneous.

#### Application:

The well-mixed DOMODUR is applied on the well-prepared support by roller, brush or airless spraying machine (beck 21-25). DOMODUR is applied in two layers. The second layer should be applied crosswise once the first layer is completely dry.

Anti-slip flooring: For anti-slip surface is recommended dropping quartz sand immediately after priming and then applying DOMODUR according to the waiting time, having first wiped the surface in order to remove the excess quartz sand.

**Additional information:**

- The product is sensitive to humidity and should not be applied in moist conditions (>60%). Therefore, avoid application during the morning hours (especially in winter).
- Uncured product is cleaned with solvent. After curing it can only be removed mechanically.
- After the end of the operations, the used tools must be washed thoroughly with the special cleaner DOMOPOX CLEANER.

**Consumption**

100-150 g/m<sup>2</sup> per layer on smooth substrates.

**Storage**

Can be stored for at least 12 months from production date in the original pails, in a cool environment protected from frost and direct sunlight

**Packaging**

Component A (paste): pails of 3.9 kg.

Component B (liquid): pails of 1.3 kg.

**Colors**

Beige (RAL 1015), light grey (RAL 7035) and dark grey (RAL 7042). Other colors available on request.

**Volatile Organic Compounds**

EU REGULATION 2004/42: According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content of VOC (Product Category j / Type SB) is 500 g/L (limits of 2010) for the final product. The final product DOMODUR contains max <500 g/L.

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**Specifications**

	Component A	Component B
Form	Paste	Liquid
Colors	Beige (RAL 1015), Light grey (RAL 7035) Dark grey (RAL 7042)	
Specific weight	1.25 ± 0.04 kg/L (23°C)	1.00 ± 0.03 kg/L (23°C)
Mix ratio	A : B    3 : 1   w/w	
Specific weight of mix	1.20 ± 0.04 kg/L (23°C)	
Application temperature	+10°C to +30°C	

## Application & hardening times

### Pot Life

Temperature	+10°C	+20°C	+30°C
Time	90 minutes	60 minutes	45 minutes

### Time between layers (DOMODUR on DOMOPOX FLOOR PRIMER/PRIMER 50)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	24 hours	16 hours	10 hours
Maximum	48 hours	48 hours	36 hours

### Time between layers (DOMODUR on DOMODUR)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	24 hours	16 hours	10 hours
Maximum	48 hours	48 hours	36 hours

### Applied product ready to be used

Temperature	+10°C	+20°C	+30°C
Walkability	48 hours	24 hours	18 hours
Light Load	7 days	5 days	3 days
Full Hardening	14 days	10 days	7 days

All the technical data stated in the present Technical Data Sheet are based on laboratory tests and the knowledge and experience of the company. Different conditions may apply at field applications that are beyond the control of the company. Therefore, the end user is ultimately responsible to make sure that the product is suitable for the application in question and to know the real conditions of the project.