

Parking with ROMEX®

**Floor coatings for the
protection of car parks
and underground car parks**



Carpark ul Lubomirsky, Kiev/Ukraine

High safety and protection for carpark and underground carparks using ROMEX[®] systems

a) Entrance and ramps

“black area“



- Heavy mechanical loads
- High chemical loads
- Strong degree of soiling
- Heavy abrasion

Entrances and ramps are subjected to particularly heavy loads such as dirt, water, ice, salt and spikes and must thus be built stronger than usual, as well as highly resistant to mechanical and chemical loads. The surface should be rough.

b) Road ways

“grey area“



- Mechanical loads
- Chemical loads
- Rolling traffic
- Safety through markings

Road ways with rolling traffic, including spikes, need to be chemically and mechanically load bearing as well as easy to clean, in order to also offer an attractive appearance. The surface should be constructed smooth with clearly defined markings, as well as colourfast, without yellowing..



Markings road ways

Markings should be clearly visible and can even be given „designer status“, increasing the value of the carpark, without increased costs. In addition, safety and order are also improved.



Markings parking spaces

Carparks and underground car parks are subjected to heaviest mechanical, chemical and thermal loads such as through abrasion of the road surface, soiling from oil and petrol as well as damp from the weather. Particularly during the cold seasons, ice, snow and abrasive de-icing salt is brought into the car parks.

In order to guarantee the best possible protection for trafficked concrete surfaces, **ROMEX®** supplies the best systems for all areas such as entrances and ramps, road ways and parking spaces, open air parking decks and surfaces in contact with the ground.

c) Parking spaces

“white area“



- Parked traffic
- Affected by oil and petrol loads
- Affected by plasticisers from rubber tyres

In order to protect the concrete, parking spaces must be highly chemically and mechanically load bearing and the coating must be particularly resistant to the plasticisers found in tyre rubber. The surface should be smooth.

d) Open air parking decks

“dense area“



- Roof function
- Gutters and drains
- Joints

The open air parking deck, which is the roof of the car park, needs to be completely sealed as well as having a UV stable coating. The surface should be rough.



e) Surfaces in contact with the ground “areas open to steam diffusion“

- Floors with rising damp or permanent damp

Surfaces that come into contact with the ground in car parks and underground car parks, present a challenge because of rising damp or permanent damp. **ROMEX®** provides a technically sure solution!

Standard specifications for sales - “Carpark coatings“ (short form)

NEW CONSTRUCTION:

a) Entrance and ramps - (“black area“):

1. Preparation of concrete
2. Priming of normally porous surfaces using **ROMPOX® 1506 Mortar resin**
3. Scraping filler (as required) **ROMPOX® 1506 Mortar resin, quartz sand**
4. Sprinkling with sand **ROMEX® 3203 Filler material**
5. Swimming layer as self-levelling mortar **ROMPOX® 1005 Coating**
6. Sprinkling with sand **ROMEX® 3203 Filler material**
7. Top sealing using **ROMPOX® 1005 Coating**

b+c) Road ways and parking spaces - (“grey and white areas“) acc. to OS 8 (Starr):

1. Preparation of concrete
2. Priming of normally porous surfaces using **ROMPOX® 1506 Mortar resin**
3. Scraping filler (as required) **ROMPOX® 1506 Mortar resin, quartz sand**
4. Sprinkling with sand **ROMEX® 3203 Filler material**
5. Top sealing using **ROMPOX® 1005 Coating**

Alternatively: b+c) road ways and parking spaces (“grey and white areas“)
acc. to OS 13 (static bridging of cracks 0,1 mm to -10 °C)

d) Open air parking decks - (“dense area“) acc. to OS 11 (static and dynamic bridging of cracks 0,3 mm to -20 °C):

1. Preparation of concrete
2. Priming of normally porous surfaces using **ROMPOX® 1506 Mortar resin**
3. Scraping filler (as required) **ROMPOX® 1506 Mortar resin, quartz sand**
4. Sprinkling with sand **ROMEX® 3202 Filler material**
5. Swimming layer as self-levelling mortar **ROMPUR® 2605 PD II**
6. Abrasion layer, sprinkling with sand **ROMPUR® 2605 PD II, ROMEX® 3203 Filler material**
7. Top sealing **ROMPUR® 2705 PD II**

e) Surfaces in contact with the ground - (“areas open to steam diffusion“):

1. Preparation of concrete
2. Priming using open to steam diffusion **ROMPOX® 1009 Open to steam diffusion primer**
3. Scraping filler (as required) **ROMPOX® 1009 Open to steam diffusion primer, quartz sand**
4. Coating using open to steam diffusion **ROMPOX® 1010 Open to steam diffusion thick coating**
5. Sprinkling with sand **ROMEX® 3202 Filler material**
6. Sealing using open to steam diffusion **ROMPOX® 1009 Open to steam diffusion sealant**

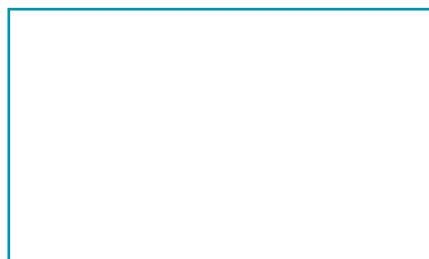
RESTORATION:

In addition to the work carried out for new construction, when doing restorations, old coatings need to be removed and the surface levelled. Afterwards the sequence of coating construction is the same as for new projects.

Detailed standard specifications for sales for new construction and restoration can be supplied on request.

ROMEX® AG

Weidesheimer Str. 17
D - 53881 Euskirchen
Tel.: +49 (0) 22 51 / 94 12-10
Fax: +49 (0) 22 51 / 94 12-177
E-Mail: info@romex-ag.de
Internet: www.romex-ag.de



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