HERKULIT®

LAYING INSTRUCTIONS
HERKULIT® S200

Base:
To achieve a satisfactory result when laying Herkulit S200 it is important that the base concrete has a surface strength of 1.5 MPa. The surface and structure of the base concrete is of crucial importance for the bonding of the top layer. If there is any doubt as to whether the base concrete can satisfy the set requirements, a tensile strength test should be carried out, or a trial layer be laid or if necessary cores drilled out for closer analysis.

Milling:
Mill the surface. The surface structure should be equivalent to minimum 2 mm/max 30 % of the thickness of the top layer. The surface should be free of slurry and cement film. Milling should be carried out over the entire surface, as well as in the vicinity of walls, pillars etc. If the machines are not able to access right to the edges, this is done by hand. Before milling of existing concrete, any necessary repairs to cracks, edge cleaning, old joins etc. should be undertaken.

Cleaning the surface:
After milling the concrete should be thoroughly cleaned; vacuum cleaning, high-pressure washing etc., depending on the cleanliness and structure of the surface.

Applying water and covering:
Apply water to the surface and cover with plastic film. The film must remain in place for at least 24 hours. Remove the plastic film from the surface concurrently with pouring. There must be no free-standing water on the surface during pouring. If there is any free-standing water on the surface, it must be vacuum dewatered.

Usage / Packaging Herkulit Primer:
0,8-1 kg/m^2 / 15 kg bags

Mixture ratio Herkulit Primer:
15 kg Herkulit Primer is mixed with 4.5-5,0 litres of water.

Mixing Herkulit Primer:
Herkulit Primer is carefully mixed in a paddle mixer or with a whisk on a powerful drilling machine.

When mixing in a paddle mixer:
Pour Herkulit Primer into the paddle mixer and add 2/3 of the indicated amount of water.
Mix for 3 minutes.
Add the remaining 1/3 of the indicated amount of water.
Mix for a further 3 minutes.

When mixing with a drilling machine/whisk:
Pour the indicated amount of water into a suitable container.
Slowly add the dry Herkulit Binder during stirring.
Mix for 5 minutes.

Laying Herkulit Primer:
Herkulit Binder is applied with a brush (a scrubber drier machine can be used) onto the milled surface. The sediment must not be laid more than 1-2 m ahead of laying Herkulit S200. The Binder must not be allowed to dry (become matt on the surface).

Mixing Herkulit S200:
Mix Herkulit S200 in a paddle mixer with a powerful motor.

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Mixing order:
Herkulit S200. (Added into the mixer in an even flow).
2/3 of the indicated amount of water.
Any pigmentation colour.
The remaining 1/3 of the indicated amount of water.

Mixture ratio Herkulit S200: (max thickness 12 mm):

Material:	**Amount:**	**Packaging:**	**Usage 10 mm/m²:**
Herkulit S200	25 kg	25 kg/1000 kg bag	25,0 kg
Water	2,1-2,3 liter		

Laying Herkulit S200:
Herkulit S200 is drawn out using vibrator screed. Power-float the surface at least 5-6 times.
Cover with plastic film between power-floating if surfaces dries. The material must harden from below before trowelling. The final power-floating should almost finish the floor with the disc. Finally trowel to a shiny surface.

After-hardening:
Water and plastic film as soon as possible. The plastic film should stay in place for 14 days, or a minimum of 7 days.

Colour:
Basic colour: light grey. For other colours add pigments.

Cleaning of tools etc.:
Tools and equipment should be cleaned with water before the Herkulit S200 mortar dries.

Safety:
Herkulit S200 is cement-based and is non-toxic to use. When the powder comes into contact with the water the mortar becomes alkaline.
Always use a protective face mask, protective clothing and gloves while mixing.

Storage:
Sacks of Herkulit S200 should be stored on pallets and kept dry.
Under these conditions the material will keep for at least 6 months.

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