

Base:

To achieve a satisfactory result when laying Herkulit S-Top 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.

Blasting/milling:

The surface structure should be equivalent to minimum 2 mm/max 30 % of the thickness of the top layer, when milling, otherwise blast the surface. The surface should be free of slurry and cement film. Blasting/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. 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 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/m² / 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:

Fill Herkulit Primer in paddle mixer.

Add 2/3 of water amount.

Mix for 3 minutes.

Add the rest of water amount.

Mix for 3 more minutes.

When mixing with a drilling machine/whisk:

Pour the indicated amount of water into a suitable container.

Slowly add the dry Herkulit Primer during stirring.

Mix for 5 minutes.

Laying Herkulit Primer:

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

Mixing Herkulit S-Top:

Mix Herkulit S-Top in a paddle mixer with a powerful motor.

Mixing order:

Aggregate 1-3 mm S200 / Aggregate 1-4 mm S400.
Any pigmentation colour.
2/3 of the indicated amount of water.
Herkulit S-Top (added into the mixer in an even flow).
The remaining 1/3 of the indicated amount of water.

Mixture ratio Herkulit S-Top:

Material:	Packaging:	Water:	Usage. 8-12 mm/m ² .
Herkulit S200 Ballast 1-3 mm	25 kg bag 25 kg bag	3,2-3,4 Lit/ 25 kg sack	9,0 kg/m ² : 9,0 kg/m ² :
Material:	Packaging:	Water:	Usage. 12-25 mm/m ² .
Herkulit S400 Ballast 1-4 mm	25 kg bag 25 kg bag	3,2-3,4 Lit/ 25 kg sack	16,0 kg/m ² : 16,0 kg/m ² :

At thickness over 25 mm add 50% ballast 4-8 mm (Herkulit S400).

Laying Herkulit S-Top:

Herkulit S-Top is drawn out using vibrator unit. Power-float the surface at least 5-6 times.
If there is a draught over the surface, cover with plastic film between power-floatings.
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 S-Top mortar dries.

Safety:

Herkulit S-Top 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 S-Top should be stored on pallets and kept dry.
Under these conditions the material will keep for at least 6 months.

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