

### Base:

To achieve a satisfactory result when laying Herkult S400 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 Herkult Primer:

0,8-1 kg/m<sup>2</sup> / 15 kg bags

### Mixture ratio Herkult Primer:

15 kg Herkult Primer is mixed with 4.5-5,0 litres of water.

### Mixing Herkult Primer:

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

### When mixing in a paddle mixer:

Pour the indicated amount of water into a suitable container.  
Slowly add the dry Herkult Binder during stirring.  
Mix for 5 minutes.

### When mixing with a drilling machine/whisk:

Fyll den angivna mängden vatten i ett lämpligt kärl.  
Tillsätt den torra Herkult Primer långsamt under omrörning.  
Blanda i 5 minuter.

### Laying Herkult Primer:

Herkult Primer 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 Herkult S400. The Binder must not be allowed to dry (become matt on the surface).

### Mixing Herkult S400:

Mix Herkult S400 in a paddle mixer with a powerful motor.

### Mixing order:

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

### Mixture ratio Herkulit S400: (max thickness 25 mm):

Material:	Amount:	Packaging:	Usage 12-15 mm/m <sup>2</sup> :
Herkulit S400	150 kg	25 kg/1000 kg bags	16,0 kg
Ballast 2-4 mm	150 kg	25 kg/1000 kg bags	16,0 kg
Water	19-19,5 liter		

Material:	Amount:	Packaging:	Usage 15-25 mm/m <sup>2</sup> :
Herkulit S400	150 kg	25 kg/1000 kg bags	26,0 kg
Ballast 2-8 mm	150 kg	25 kg/1000 kg bags	26,0 kg
Water	19-19,5 liter		

### Laying Herkulit S400:

Herkulit S400 is drawn out using vibrator screed. 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: grey. For other colours add pigments.

### Cleaning of tools etc.:

Tools and equipment should be cleaned with water before the Herkulit S400 mortar dries.

### Safety:

Herkulit S400 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 S400 should be stored on pallets and kept dry.  
Under these conditions the material will keep for at least 6 months.

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