

Handling Guidelines for Concave Mouldings

Types H30/30, H50/25, H50/50, H70/50, H100/50, H150/40

KORTE concave mouldings are made of a special polymer resin mortar and contain EP/UP as a binding agent. They are industrially prefabricated and suitable for use indoors and outdoors.

Material characteristics

Density:	approx. 1.1 g / cm ³
Pressure resistance:	> 45 N/mm ²
Tensile strength:	> 15 N/m ²
Porosity:	< 1 %
Fire class:	B 1
Surface:	smooth and non-absorbent!
Colour:	concrete grey to pebble grey
Length of the mouldings:	1 unit = 1.00 metres
Packaging units:	All moulding types are supplied in 10-metre packs Type H150/40 is supplied in a 5-metre pack

Mechanical durability

The mouldings are frost and weather resistant, highly resistant to wear, and water and steam-proof. We recommend dry, horizontal storage of the mouldings in their original packaging.

Chemical resistance

KORTE concave mouldings have a resistance similar to cured, stable polymer resin mortar (EP/UP) with a mixing ratio as specified by the manufacturer.

Handling of *KORTE*[®] concave mouldings

Preparation and processing

Do not use any primer on mineral subsurfaces because the surface of the mouldings is made of pure polymer resin and is smooth, non-porous and non-absorbent (to be handled, for example, in the same way as old epoxy coatings).

Before coating, always clean the surface with a grease-free, acetone-based solvent, e.g. Klutiv LM 16 from Kluthe Chemie, Heidelberg, (www.kluthe.de) or with Sika Colma Cleaner (www.sika.de) or StoDivers EV 100 (www.stocretec.de).

Always follow the manufacturer's instructions when coating.

To saw, chamfer, trim and mitre-cut the mouldings, use standard commercial tools such as angle grinders and mitre saws with a hardened metal saw blade (min. 64 teeth). Set a high speed and apply little pressure.

Gluing the mouldings

KORTE concave mouldings should always be glued on the floor forming a shear-resistant joint, e.g. with epoxy resin adhesive (2K-EP). This is important to prevent cracks from forming where the floor coating and moulding meet. On the wall we recommend an elastic seal, e.g. with (1K-PU) polyurethane adhesive. Joints should comply with DIN 18540, if possible.

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Preparation of the subsurface

The subsurface must be clean, dry and free of grease and any loose substances. Please take account of the tear resistance of the subsurface. Follow the adhesive manufacturer's instructions.

Fitting

The mouldings are fitted onto a surface that has been properly prepared for them. The **KORTE** mouldings **cannot** compensate for any unevenness of the subsurface.

Measure out the mouldings and **saw** them to the **exact fit**.

Glue the prepared mouldings using the chosen material according to the instructions. To glue, coat the underside and any joints with adhesive and press firmly onto the subsurface. The entire gluing surface of the mouldings must be in contact with the subsurface.

During this process, avoid dirtying the top of the moulding, e.g. by using masking tape to protect it.

The mouldings are only glued to rising walls if no relative movement is expected within the building structure (**shear-resistant joint**). Refer to the data sheets of the adhesives used for details of subsurface preparation and processing.

Where **shear-resistant jointing** is **not possible**, e.g. floating screed, there must be **no frictional** joint to the rising wall. Instead, the mouldings should be fitted at an appropriate distance from the rising wall as defined in DIN 18540 to enable subsequent application of a sealant to form a joint between the moulding and the wall.

KORTE[®] concave moulding product designations

<u>Concave mouldings</u>	<u>Type</u>	<u>Item Number</u>	<u>Approx. dimensions in mm (LxWxH)</u>
<i>KORTE</i> concave moulding	H30/30	8902016	1000 x 30 x 30
<i>KORTE</i> concave moulding	H50/25	8902010	1000 x 50 x 25
<i>KORTE</i> concave moulding	H50/50	8902011	1000 x 50 x 50
<i>KORTE</i> concave moulding	H70/50	8902012	1000 x 70 x 50
<i>KORTE</i> concave moulding	H100/50	8902013	1000 x 100 x 50
<i>KORTE</i> concave moulding	H150/40	8902014	1000 x 150 x 40