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1. Installation of KeraLab laboratory table worktops

1.1 Table worktops consisting of several individual slabs

1.1.1 Lay the individual slabs according to the laying plan. Please refer to the sticker for identification of the individual slabs according to the laying plan.

The sticker is applied on the **front edge** of the bead.

1.1.2 Align the table worktop slabs with the levelling screws (see page 1/2).

Possible unevenness tolerances that can arise within the framework of the standard DIN 12 916 must be compensated by levelling.

Please observe a joint width of approx. **4 mm**.

1.1.3 Join the table worktop slabs according to the stipulations of the tender either rigidly or permanently elastic (see page 1/2).

1.1.3.1 Preparing the joint

Insert the foam packing cord in the joint.

a) Diminishes the danger of the jointing mass sinking or sagging and thereby forming a hollow joint.

b) Easier to dismantle when moving or servicing.

1.1.3.2 Fill the joint with the jointing material as specified by the manufacturer, and always observe the given joint cross section.

1.1.3.3 Remove residue jointing material from glazed surfaces and clean before the material sets.

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2. KeraLab sink installation

2.1 Recommendations for surface-flush installation of laboratory sinks

2.1.1 Prepare the cut-out as indicated on the drawing.

With KeraLab laboratory table slabs where the cut-out has been carried out in the works, pre-treatment of the cut-out edge is not necessary.

Ensure that the cut edge of the laboratory slabs and the laboratory sinks are dry and free of dust and grease.

Ensure that the conditions specified by the adhesive manufacturer, e.g. mixing ratio, viscosity, setting time, temperature, etc. are observed during all work.

With alternative slab material it is essential to observe the corresponding installation instructions of the manufacturer!

The circumferential joint should not be less than 4 mm.

2.1.2 The wooden frame is an installation aid and it is fixed to the bottom edge of the slab recess with an appropriate commercial adhesive.

2.1.3 Insert the laboratory sink from above into the prepared cut-out and then level with the levelling screws.

Ensure that the highest point of the sink edge never protrudes above the slab surface!

2.1.4 Jointing for built-in sinks.
After levelling fill the joint with epoxy resin or silicone (see page 2/2).
Please also observe the recommendations 1.1.3 of these Instructions.

Unevenness of the sink edge that is still within the standard can be levelled by way of the joint.

2.1.5 Install the drain fittings.

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2.2 Recommendations for the installation of built-under laboratory sinks

2.2.1 The underside of the slabs and the sink edge must be dry and free of dust and grease.
Ensure that the conditions specified by the adhesive manufacturer, e.g. mixing ratio, viscosity, setting time, temperature, etc. are observed during all work.

2.2.2 Apply a suitable adhesive on the upper sink edge in such a manner that a joint thickness of at least 5 mm is assured.

2.2.3 Press the sink from underneath against the table worktop slab and secure. Ensure that the circumferential edge overlap is uniform. With KeraLab worktop slabs the size of the cut-out provides for an overlap of approx. 10 mm.

2.2.4 Remove excess adhesive and clean before the adhesive has set.

2.2.5 Ensure that the setting time stipulated by the adhesive manufacturer is strictly observed!
The installation safeguard (see page 2/2) can then be removed.

2.2.6 Install the drain fittings.

Note !

Please also refer to the range of *system*ceram services

*system***ceram** uses a special adhesive based on epoxy resin when the sink is bonded in the works; this is used without requiring any further supports.

This service is optionally available on the basis of the valid KeraLab Price List.

Past experience has shown that additional sink support is recommended with other adhesives, e.g. when silicone or the like are used.

1. Installing the laboratory table worktop slabs

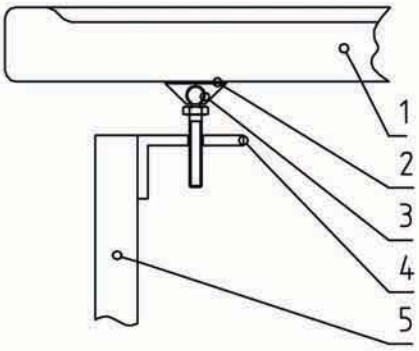
KeraLab laboratory table worktop slabs are made of special chemo-technical stoneware in conformity with DIN 28 062, Work Materials Table 1.1.4.
The table worktop slab design conforms with DIN 12 916.

1) The loading capacity of our KeraLab laboratory table worktop slabs is at least 200 kg/m². Our laboratory table worktop slabs can support a load of at least 200 kg on a surface area of 120 m x 120 mm without suffering any damage due to deformation.

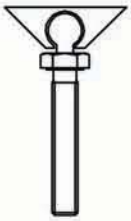
2) The use of levelling screws ensures rapid and simple levelling of the KeraLab laboratory table worktop slabs.

Four-point support (see drawing) will be sufficient for slab sizes up to 1200 mm x 750 mm. For larger slab sizes, as well as slabs with large cut-out dimensions, we recommend additional levelling screws spaced at approx. 60 cm.

1.1.2 Support



1 Stoneware slab
2 Silicone
3 Levelling screw M8 with joint washer Ø30 and hexagon SW 12
4 Angled bracket support
5 Sub-frame consisting of rectangular steel pipe or wooden carcass

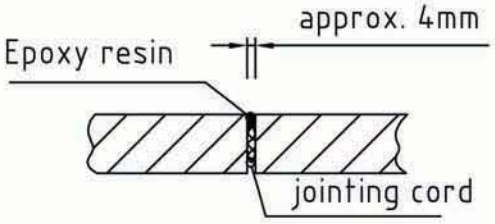


1.1.3 Joint formation

Jointing of the *system***ceram** large-size laboratory table worktop slabs is completed as tendered or according to the user's specifications. A choice is preferably made between 2 alternatives:

a) Setting, e.g. with epoxy resin adhesive
Rigid setting prevents joint sagging (hollow joint).
Separation at a later date is possible with a hot-air blower (the epoxy resin becomes brittle).

b) Permanent elastic with silicone
This manner of jointing ensures simple joint separation



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Scale 1:5 | Position – | Quantity –

	Date	Name
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Norm		

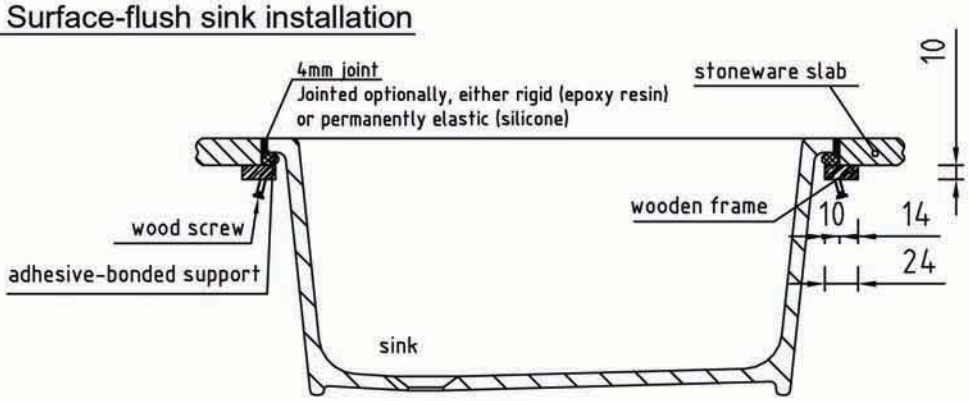
Large shaped stoneware table worktop slabs according to DIN 12 916

Vers.	Modifications	Date	Name

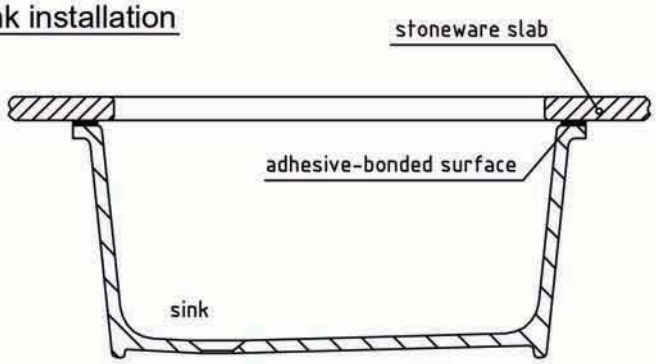
2. Installing of sinks

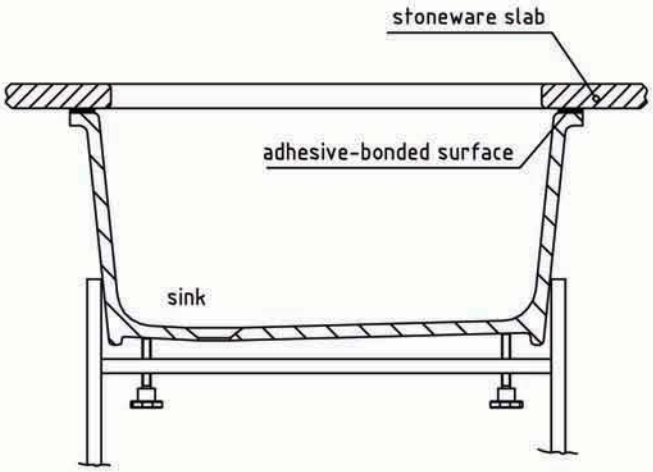
Installing laboratory sinks surface-flush or underneath KeraLab stoneware table worktop slabs according to DIN 12 916, Materials Table 1.1.4:

2.1 Surface-flush sink installation



2.2 Built-under sink installation





systemceram KeraLab - Laborkeramik	This drawing is property of systemceram GmbH&Co.KG. Originals and copies must not be made accessible to third parties.	Scale 1:5	Position – Quantity –
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	Date	Name
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Norm		

Laboratory sinks made of chemo-technical stoneware according to DIN 12 915

Vers.	Modifications	Date	Name

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