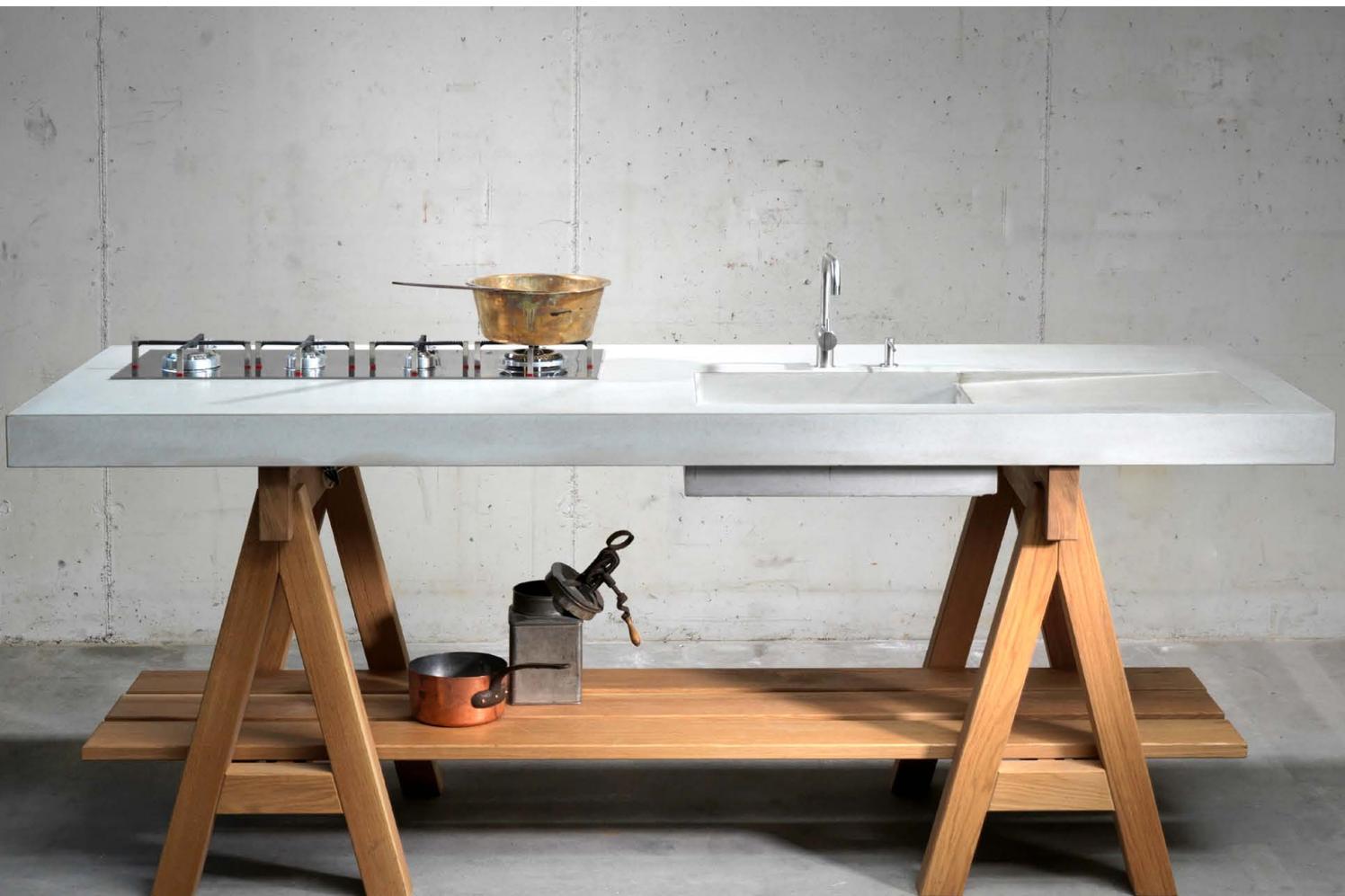


# Concrete kitchen planning guide



# We produce unique pieces

## Properties of concrete

Irrespective of the chosen finish, the nature of the surfaces is subject to natural variation. Small pores and surface markings, minute cavities and colour deviations or shrinkage cracks are no cause for concern that warrant complaint, but rather - just like knots and rings in wood - they are part of the individual appearance of the material. **Each piece of concrete is unique.**

Alongside these natural and unavoidable characteristics, concrete is also sensitive to acid. The surface should therefore be treated.

## Planning foundations

Maximum length	5.2 metres
Maximum width	2.5 metres
Thicknesses	Freely selectable – Our standard pieces are 3 cm. For thicknesses above 5cm, styrofoam is cast in at certain points in order to reduce weight. 2 cm thick panels can also be produced on request.
Colour	<b>Concrete can be coloured using pigments</b> for a 10% surcharge. Popular colours include anthracite and white.
Weight	A 3 cm thick top measuring 3 metres in length (60 cm wide) weighs approximately 130 kg. <b>Concrete kitchens can be fitted to normal kitchen constructions.</b>
Downstands & Side Panels	These can be made without any difficulty. A worktop with side panels cast in one piece is also possible. Please let us know during planning which sides of the side panels are visible.
Projections & Overhangs	Can be made without any difficulty. Please note the strength of the load-bearing structure.
Concrete basins	Cast seamlessly from one piece. Please note that concrete basins are not suitable for kitchens that are in frequent use.
Ceramic glass cooktops	Rebates for flush ceramic glass cooktops are directly cast by us according to the manufacturer specification. With exact radii using our plotter technology.

## Surface Treatment Options

We offer the following choices for our unique concrete products, all-natural beeswax or our unique Dade Surface Coating

### Beeswax

A **natural patina** will form on the surface over time.

The beeswax treatment is not heat-resistant.

It is imperative that **contact with acidic and discolouring liquids should be avoided**, in particular:

- Fruit and vegetable juices , ketchup, mustard
- Oil, chemicals and aggressive detergents
- Wine and sparkling wine, vinegar
- Cleaning agents with citric acid or similar
- in the bathroom: Perfume and herbal shampoos or similar

### Dade Surface Coating

Protects the surface with a fine protective film. Surfaces are left feeling silky smooth, reminiscent of fine grained leather . This coating brings out the full character of the concrete.

The work pieces are coated with a matt seal on a water-based polyurethane. (Free from cobalt, solvents nano technology sealants)

**No patina** forms over time.

The surface film that is created has excellent resistance to liquids and household cleaning agents. In both laboratory and practical tests, **the coating withstands liquid entry for around 12 hours**. We therefore ask that you don't wait too long before cleaning the surfaces.

Like many other materials the coating is **not cut-resistant**. It is imperative that damage to the coating is avoided. If the coating is damaged by mechanical stress, breakdown of the coating may occur. However a major benefit from our coating chemistry allows the concrete surface to be locally repaired or completely refurbished in situ. (See Repairs for more information)

## Summary of dade coating

Base	PU
Additional components	Water and hardening agent
Food compatibility	Yes
Cobalt	No
Solvent	No
UV resistant	Yes
Heat resistance	Yes (up to 220 degrees)
Cut resistant	No

## Cleaning and maintenance

Irrespective of the chosen surface treatment, proper handling is essential for the long life and beauty of the surface. Please note the following points:

- Rinse out residue in the tub and basin after use with clear water and then dry using a soft towel.
- Wipe surfaces with a clean, damp cloth and then dry them using a soft towel.
- Use a mild, neutral rinsing agent without citric acid for cleaning (e.g. no scouring creams or limescale removing cleaners).
- Ceramic glass cooktops: clean the surfaces around the ceramic glass cooktop directly after cooking. Please use a scraper for ceramic glass cooktops to remove limescale rather than acidic cleaning fluids.
- Do not use metallic or plastic scouring pads (coating may be damaged under some conditions by chemicals in the pads)
- Acetone must be avoided at all times including the time of installation.
- **IMPORTANT:** it is **imperative to avoid permanent stress to the concrete panels due to moisture** of any kind, as the coating will otherwise be damaged and irreparable stains may form. E.g,damp cloths should be removed from the work surface after use. The bases of items such as glasses, pots, vases or similar that are placed on the kitchen worktop, must be dry or placed on a coaster.

## Heat

The concrete panel and the coating resist heat of up to 220 degrees. A baking tray or a hot pan may therefore be placed on the worktop **for a short while**. Higher temperatures or constant exposure to heat are to be avoided. The use of hot stands are highly recommended at all times.

## Cut resistance

In common with most worktop materials knives should never be used directly on the worktop. Sharp-edged objects may leave scratches on the surface. Deep scratches will compromise the surface treatment. **Please use a suitable cutting board or surface protector at all times.**

# Final provisions

With the transfer of the down payment (or respectively the order confirmation of a dade- design.com dealer), the ordering party accepts the contract for work and materials. The product information sheet with the maintenance instructions is an integral component.

## Repairs

No need to worry. In the event the concrete worktop or coating becomes damaged, it can be repaired and refurbished with relative ease in just a few hours without major disruption. We would be happy to offer a quote for this service or on request supply a pack of materials for repairs or refurbishment.

## Transport and fitting

### Packaging

Our concrete worktops are shipped on a sturdy wooden base. The plates are safely secured and wrapped in waterproof film which also provides edge protection (included in the price).

### Transport

We organise transport with our logistics partner. Shipping is usually carried out using a lorry with a lifting platform (part lengths of up to 2.8m can be unloaded with the lifting platform). In the event you require a crane on site, we would also be happy to obtain transport quotes for you.

### Fitting

There is no distinguishing between fitting stone worktops and concrete kitchens. However, what is important is that **no acetone or softening agent** is used during fitting. Use natural cure stone silicone and, for fitting the ceramic glass cooktop, use the supplied adhesive tapes.

You may also request fitting assistance or order a "carefree package" from us. As part of this package, we take care of all the logistics, transport, unloading and fitting of the worktop.

## Hard facts

Concrete specific weight	2450 kg/m <sup>3</sup>
Strength of concrete in flexure	12-15 MPa
Compressive strength	>100 Mpa
W/C ratio	0.3 bis 0.36
Abrasion resistance	Hardness class 1
Grain	6/8mm grain size (Rhine Valley gravel)
Sand and water	From the Rhine Valley
Concrete reinforcement	Fibre glass reinforced concrete Depending on the design and requirements additional steel reinforcement may be used.

dade  
design

concrete works

HEADQUARTERS  
dade design AG  
Bafflesstrasse 37b  
9450 Altstätten, Switzerland  
+41 71 511 26 72

EU BRANCH  
dade design concrete works GmbH  
Eduard-Bodem-Gasse 5  
6020 Innsbruck, Austria  
+43 720 512 245

[www.dade-design.com](http://www.dade-design.com)

swiss  made