# weber pumpbetong 0-4 C40/50

- Pumpable
- Compressionstrength class C40/50

## Area of use
Pumpconcrete is used for concrete laying and casting work where a pumpable high quality and very durable concrete is required. Pump concrete 0-4mm is intended for use in casting structures from 30mm. Pump concrete 0-4mm is especially suitable for filling and leveling concrete, where a quick drying is desired (bathroom flooring, leveling of smaller floor surfaces etc.). When Pump Concrete 0-4mm is applied with adhesion to surrounding concrete, it should have a strength corresponding to at least K35. Pump concrete 0-4mm is specially adapted for pumping with a screw or piston pump.

## Substrate
Concrete, at least K35

## Substrate type
- Concrete

## Constraints
- Should not be used in temepratures below +5°C

## Pretreatment
Casting on or against existing substrate Clean the casting well. Raw cut up casting surface provides the best adhesion. Always water the casting stand so that water is not sucked away from the new concretelayer. When casting, however, free water must not be present on the casting stand. Adapt the consistency to the casting work. Pump concrete 0-4mm C40/50 should be used within 30 minutes.

## Mixing
Pumpconcrete 0-4mm is mixed mechanically for 5 minutes with about 2.9 liters of water per 20 kg, whereby about 11 liters of concrete are obtained in light liquid consistency. No additional additives are required. Mixing is done with flat mixer, quick mixer or freefall mixer.

## Work instructions
Mix the concrete. Fill formwork. For larger thicknesses each layer should be compressed about 30 cm. First use a thin vibrator rod and make repeated downward thrusts. For horizontal castings use a "vibro-bar" or "vibro-bridge". Protect the casting immediately against rapid dehydration.

## After-treatment
Because of pumpconcrete's low water-cement ratio, curing with water or protection against early withdrawal of moisture should be effected immediately. Cover with plastic sheets, or use membrane curer.

| Product specification | |
|---|---|
| Material consumption | 2,0 kg/m²/mm |
| Recommended water content | 2,9l / 20 kg bag |
| Application temperature | > 5 º C |
| Pot life (Operating time) | approx 30min |
| Curing start | approx 4 hours |
| Binder | Portlandcement |
| Cement type and class | Cem I / Cem II |
| Aggregate | Natural gravel/sand 0-4mm |
| Compressive strength class | C40/50 |
| Compressive strength 1 day | >35 MPa according to EN 12390-3 |
| Compressive strength 3 days | >40 MPa according to EN 12390-3. |
| Compressive strength 7 days | >45 MPa according to EN 12390-3 |
| Compressive strength 28 days | >55 MPa according to EN 12390-3. For accredited strength testing report at 28 days, contact Weber. |
| Exposure class | X0, XC4, XS3, XD3, XF3 according to EN 206-1 |
| Frost resistance | Yes, XF3 according to EN 137244 1B |
| Waterproof | Yes, according to SS 137214 |
| Air content | approx 7% |
| Water cement ratio | approx 0,40 |
| Storage conditions | Storage time for bags on a plastic-covered pallet is approx. 12 months from date of packing. Store in a dry place. |
| Package | 20 kg bag<br>1000 kg bigbag<br>Bulk |

## Please observe
The development of the product's strength is impaired at temperatures below + 5°C. Also take care when applying to cold concrete surfaces. Use warm concrete and protect completed work against cooling. Fresh concrete should not be exposed to frost until it achieves a strength corresponding to 5 MPa. Do not use water treatment to harden if there is a risk of minus temperatures.

## Safety regulation
Always read the applicable safety data sheets, use personal protective equipment and follow the workplace safety regulations.

## Recycling
Please visit your local weber website to find information on waste material and packagings.

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Please find contact information on your local Weber website.

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**Disclaimer**

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.

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