



Technical Data Sheet

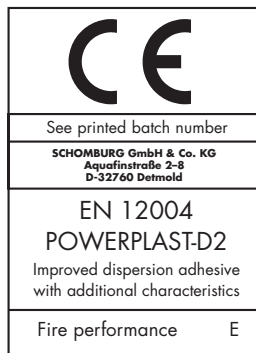
POWERPLAST-D2

Art.-No. 2 03828

Non-slip dispersion adhesive conforming to DIN EN 12004

Properties:

- Conforms to DIN EN 12004, D2TE
- Ready to use
- Water resistant
- Non-slip
- High initial grab
- Creamy application
- Deformable
- Solvent free



Areas of application:

POWERPLAST-D2 is a non-slip, water resistant dispersion adhesive with improved characteristics with extended open time. POWERPLAST-D2 has a stress neutralising function and is therefore advantageous for use on lightweight partition walling and concrete elements.

POWERPLAST-D2 is used for the thin bed installation of ceramic tiles and mosaics onto flat, porous substrates such as concrete, pre-cast concrete units, aerated and expanded concrete, renders/plasters of groups PII to PV, dry lining boards such as plasterboard, moisture resistant plasterboard and gypsum fibre boards as well as lightweight construction boards e.g. rigid foam tilebacker panels and similar, in interior areas.

POWERPLAST-D2 is suitable for the installation of large format tiles, also onto to existing ceramic finishes.

POWERPLAST-D2 can be used for tiling in moderately wet duty areas such as e.g. normal domestic bathrooms, onto mineral-based and dispersion-based bonded SCHOMBURG waterproof membranes.

POWERPLAST-D2 is suitable for wet duty classification areas 0, A01 in accordance with the ZDB data sheet "Advice for the implementation of bonded waterproofing with tile and slab finishes in interior and exterior areas".

Technical Data:

Basis:	acrylic resin dispersion with functional fillers and additives
Colour:	cream white
Specific gravity:	1.6 kg/dm ³
Substrate / application temperature:	+5° C to +30° C
Temperature resistance:	-10° C to +70° C
Open time *):	up to approx. 30 minutes
Grout after *):	approx. 1 day, with large format tiles or on impervious substrates approx. 7 days after approx. 14 to 21 days
Fully serviceable *):	after approx. 14 to 21 days
Cleaning:	with water immediately after use
Certification:	conforms to DIN EN 12004, D2 TE, MPA Dresden
Consumption:	approx. 1.5 kg/m ² per mm thickness approx. 2.1 kg/m ² with a 4 mm notched trowel approx. 3.2 kg/m ² with a 6 mm notched trowel approx. 4.2 kg/m ² with an 8 mm notched trowel approx. 5.2 kg/m ² with a 10 mm notched trowel
Adhesive bed thickness:	1 to 4 mm
Packaging:	20 kg plastic buckets
Storage:	frost free, min. 6 months in the original unopened packaging. Use opened packaging promptly.

*) These values relate to +20° C and 65% relative humidity. Higher temperatures and lower relative humidity reduce, lower temperatures and higher relative humidity increase these given times.

POWERPLAST-D2

Surface preparation:

When installing tiles, DIN 18157, part 1 prevails with regard to the substrate, substrate preparation and product application.

The substrate must be dry, sound, clean, load bearing, adequately flat and free from separating substances and penetrating cracks. Remove emulsions, paint, oil, laitance and loose areas. Roughen smooth concrete surfaces, prime highly porous substrates with ASO-Unigrund before adhesive application.

When tiling to dry lining boards be aware of the guidelines of the board manufacturer for cladding with ceramic tiles.

Product application:

POWEPLAST-D2 is spread evenly onto the prepared substrate and combed through with a notched trowel. When choosing a notched trowel use a notch that will achieve approx. 65% adhesive coverage to the back of the tile. Install the tiled finish within the open time of the adhesive – finger test. On existing ceramic finishes, prepare by roller applying a thin coat of ASO-Fliesengrund e.g. with a sponge roller. At least one of the surfaces must be porous e.g. render/plaster or earthenware (biscuit) tile.

Important advice:

- When installing tiles in floor areas with deformable adhesives we recommend UNIFIX-S3, UNIFIX-S3-Fast, UNIFIX-2K or UNIFIX-2K/6.
- When installing natural or synthetic stone respect the specific product properties of the cladding material (tendency to discolour, risk of curling) and the installation recommendations of the manufacturer. We recommend that a trial fix is carried out.
- Perimeter, bay and movement joints are to be brought through and blanked off with suitable materials e.g. edge strip RD-SK50.
- To avoid curling effects through water absorption we recommend that with serpentinite containing agglomerate/synthetic and natural stone that ASODURE-EK98 be used.

- POWERPLAST-D2 is an adhesive that cures through drying and is therefore to be protected from water and frost until fully cured.

- Protect areas not being treated from the effects of POWERPLAST-D2.

- Observe the current pertinent regulations.

Therefore e.g.

DIN 18157

DIN 18352

DIN 18560

EN 13813

DIN 18 202

DIN 1055

The BEB information sheets distributed by the "Bundesverband Estrich und Belag e.V."

The technical information for the coordination of cut out points for heated floor construction.

The ZDB information sheets distributed by the German professional tile association:

[* 1] Advice on the installation of bonded waterproofing with tile and slab wall and floor finishes for interior and exterior areas.

[* 2] Finishes on calcium sulphate screeds

[* 3] Movement joints in tile and slab wall and floor finishes.

[* 5] Ceramic tiles and slabs, natural and concrete stone/slabs on cement-based floor constructions with insulation.

[* 6] Ceramic tiles and slabs, natural and concrete stone/slabs on heated cement-based floor constructions.

Please observe a valid EU Health & Safety data sheet.

GISCODE: D1