

Tender Specifications

deko Firesafe® Protection-Board

**Bill of Quantities: Wall Cladding with
deko FireSafe® Protection-Board**

Product Description

DI Dekodur deko FireSafe® Protection – HPL-coated, non-combustible wall cladding (A2-s1,d0)

Supply and install surface-mounted wall cladding with patented, non-combustible glass fiber core according to manufacturer's specifications.

Technical Properties:

- Fire behavior classification: A2-s1, d0 according to EN 13501-1 (non-combustible)
- Chemical resistant
- Food-safe
- Impact and abrasion resistant
- Graffiti resistant
- Versatile application for interior use

Physical Properties according to DIN 438:

Parameter	Specification
Raw panel dimensions	2440 × 1220 mm or 3050 × 1220 mm
Panel thickness	Approx. 1.8 mm – 2.1 mm
Front surface décor	According to DI Dekodur FireSafe Collection
Surface structure	According to DI Dekodur FireSafe Surface Collection
Rear side	Manufacturer's choice
Processing	With woodworking tools (sawing, drilling)

Installation: On existing walls (partition walls, wet-installed walls, plaster PII, gypsum board) using Hensomastik® K2000 adhesive or equivalent according to manufacturer's installation instructions.

Offered product: _____

Quantity: _____ m² **UP:** _____ **€ TP:** _____ €

Work Items

Item 1.1 Substrate Preparation – Priming

Prime wall substrate (substrate: gypsum board or plaster PII), smooth surface, using solvent-free, ready-to-use deep primer.

Technical Requirements:

- Substrate must be clean, dry, firm and level
- Solvent-free deep primer
- Even application

Offered product: _____

Quantity: _____ m² UP: _____ € TP: _____ €

Item 1.2 Tear-off Test and Adhesive Tensile Strength Test

Perform tear-off test and adhesive tensile strength test in conjunction with moisture testing of the substrate.

Requirements:

- Test must be documented
- Test locations must be marked on floor plan
- Test protocol must be submitted to site management before starting work
- Test bonding with tear-off test is mandatory

Quantity: _____ tests UP: _____ € TP: _____ €

Item 1.3 Bonding with Hensomastik® K2000 Adhesive

Installation of deko fireSafe® Protection boards on existing walls using Hensomastik® K2000 adhesive or equivalent according to manufacturer's installation instructions.

Technical Requirements for Adhesive:

Parameter	Value
Fire protection class	A2-s1, d0
Heat resistance	Up to 750 °C

Application amount	400 g/m ²
Working time	15 minutes (at 20 °C, 65% relative humidity)
Drying time	Approx. 24 hours (at 20 °C, 60% relative humidity)
Processing temperature	> +5 °C
Material temperature	Min. 3 °C above dew point, above 0 °C

Installation Notes:

- Installation conditions: Room temperature 10–35 °C
- Pay particular attention to firm bonding at edges and joints
- For wall elements with height > 50 cm: Support for fixation (e.g., adjustable furniture feet)
- Expansion joints: For individual wall lengths from 10 m approx. 1 cm joint; for exterior basement/underground walls from 7 m

Quantity: _____ m² UP: _____ € TP: _____ €

Item 1.4 Lateral Panel Terminations

Lateral panel terminations at doors and building structures with finishing profile (visible edge approx. 2 mm), upper and lower finishing angles mitered.

Profile type: Connection profile

Product: _____

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.5 Upper Termination

Upper termination – edging for existing impact protection/wall cladding (visible edge approx. 2 mm), upper and lower finishing angles mitered.

Profile type: Connection profile

Product: _____

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.6 Lower Termination

Lower termination – edging for existing impact protection/wall cladding (visible edge approx. 2 mm), upper and lower finishing angles mitered.

Profile type: Connection profile

Product: _____

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.7 Electrical Box Cutout

Surcharge for clean routing of wall cladding for electrical boxes (diameter up to 100 mm).

Tool: Multi-cut hole saw recommended

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.8 Wall Cutouts up to 0.2 m²

Surcharge for wall cutouts up to 0.2 m² (e.g., switches, connections, small openings).

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.9 Wall Cutouts up to 0.5 m²

Surcharge for wall cutouts up to 0.5 m² (e.g., inspection openings, larger openings).

Quantity: _____ pcs UP: _____ € TP: _____ €

Item 1.10 Joint Sealing with Silicone

Seal expansion joints (gap dimension 3 mm / 1/8") with color-matched silicone sealant.

Processing Instructions:

1. Select silicone sealant matching the board color
2. Mask joint edge between panels with painter's tape

3. Apply sealant (approx. 3 mm bead); fill joint completely
4. Remove excess sealant immediately (flush with panel)
5. Remove painter's tape and remove sealant residue from surface

Quantity: _____ lm UP: _____ € TP: _____ €

Item 1.11 Corner Profiles (External Corner, Internal Corner, Connection Profile)

Installation of corner profiles for professional terminations at external and internal corners as well as connections between panels.

Installation Notes for External Corners:

- Start installation at external corners
- Initially fix corner element with adhesive (do not permanently screw yet)
- Adjust adjacent panels with intermediate joint of 2–3 mm to external corner
- After adjustment: Bond corner element and panels firmly
- Seal connection joints with silicone

Available Profile Types:

- External corner (exposed external edges)
- Internal corner (internal corner transitions)
- Connection profile (wall, ceiling, floor connections)
- Junction profile (joint transitions between panels)

Product: _____

Quantity: _____ pcs UP: _____ € TP: _____ €

Additional Notes

Application Range

- Material suitable exclusively for interior use
- Installation only at room temperature 10–35 °C
- Use only adhesives tested by Dekodur or equivalent

Bonding Preference

Direct bonding to plaster or gypsum board takes precedence over bonding to wall paints or wallpaper.

Installation Aids

For substrate irregularities or connections to fixed building structures (e.g., door frames), the following tools have proven effective:

- Telescopic spreaders (panel joints, offsets in substrate during renovation)
- Screw clamps (door frames)
- Hole punches (connections in gypsum board walls)
- Heavy-duty fabric tape (strong adhesion, temporary fixation)
- Tile wedges (joints, bonding/connection of corner elements and finishing profiles)

Documentation

- Include Safety Data Sheet (SDS) for deko fireSafe® Protection-Board
- Provide manufacturer's installation instructions
- Document test protocols

Note: These tender specifications serve as a basis for public and private procurement procedures. All technical information corresponds to the current status (February 2026). Subject to change.

Attachement: Physical Properties acc. to EN438

Physcial Properties

Feature	Test method	Unit	Value
Grammage	EN 438-2:2016, para. 5	kg/m ²	3,61
Thickness	EN 438-2:2016, para. 5	mm	1,80 - 2,20
Length tolerance	EN 438-2:2016, para. 6	mm	+10/-0
Width tolerance	EN 438-2:2016, para. 6	mm	+10/-0
Straightness of the edges	EN 438-2:2016, para. 7	mm/m	≤1,5
Perpendicularity	EN 438-2:2016, para. 8	mm/m	≤1,5
Flatness	EN 438-2:2016, para. 9	mm/m	≤8,0
Dimensional stability at elevated temperatures	EN 438-2:2016, para. 17	% lengthwise % transverse	≤0,55 ≤1,05
Resistance to water vapor	EN 438-2:2016, para. 14	Level (min.)	4
Resistance to dry heat (160 °C)	EN 438-2:2016, para. 16	Level (min.)	4
Resistance to cigarette burns	EN 438-2:2016, para. 30	Level (min.)	3
Light resistance	EN 438-2:2016, para. 27	Grey level	4to 5
Scratch resistance	EN 438-2:2016, para. 25	Level (mind.)	3
Stain resistance group 1 & 2	EN 438-2:2016, para. 26	Level (min.)	5
Stain resistance group 3	EN 438-2:2016, para. 26	Level (min.)	4
Resistance to cooking water vapor	EN 438-2:2016, para. 24	Level (min.)	4
Impact resistance (large diameter ball)	EN 438-2:2016, para. 21	mm	≥1350
Abrasion resistance	EN 438-2:2016, Para. 10	U	≥700