

Triflex Stone Design



Specifications

Construction project:

Architect/client:

Preliminary remarks:

Work is carried out using products from the Minden-based company Triflex GmbH & Co. KG.

Compliance with all applicable guidelines is taken into account and required for the different recommended system build-ups using Triflex products.

The waterproofing systems within the system build-up with Triflex ProDetail (junctions, details) and Triflex ProTerra (surfaces) are covered by European Technical Approval (ETA) issued by the German approval body for non-regulated construction products and types of construction, Deutsche Institut für Bautechnik (DIBt), and meet the requirements of the Construction Products Directive of the EU (CE marking) in accordance with ETAG No. 005 in the highest usage categories.

Before the contract is awarded, contractors must prove that they have been trained in the application of Triflex products. Otherwise, instruction by a trainer shall be provided on-site.

The quantities contained herein shall be checked on the building site.

Billing shall be based on measurements conducted jointly by the contractor and client.

The waterproofing system must be applied so as to prevent rainwater from penetrating the system structure in the event that work is interrupted.

For disposal of rubble, the cartage and landfill costs shall be included in the individual prices or itemised separately.

Concerns about prior work performed by other contractors shall be communicated to the client in writing immediately, ideally before work begins.

It is recommended that the bidder view the work site prior to submitting a tender.

If alterations or special work not included herein become necessary after work has commenced, detailed notification shall be given before going ahead with such alterations or special work, and the work shall subsequently be billed separately.

Unless explicitly stated otherwise, all work shall be regarded as a comprehensive turnkey service, including the supply of all required materials and ancillary services.

The contract comprises the following components:

- Specifications
- System description and manufacturer's product information
- Rules for waterproofing systems (German Flat Roof Guidelines)
- Building code regulations
- Accident prevention regulations
- German Construction Contract Procedures (VOB), Part B in the versions valid at the time of conclusion of the contract.

The system build-up must be adapted by the expert planner to meet the project-specific requirements. Detailed tender texts must be created by the planner on his or her own authority. There is no specific project consultation associated with the issue of these draft specifications. The preparation of drafts is a non-obligatory service provided by Triflex. Any legal claims from this service are excluded.



Specifications

| Item no. | Quantity | Subject of service | Unit price EUR | Total price EUR |
|----------|----------------------|---|-----------------------|--------------------|
| 1 | | General | | |
| 1.1 | Lump sum | Building site preparation | Lump sum | _____ |
| 2 | | Structure and substrate inspection | | |
| 2.1 | Lump sum | Cavities Checking for cavities by tapping the existing surfaces with a hammer, and marking any areas that sound hollow. | Lump sum | _____ |
| 2.2 | Lump sum | Moisture content Determining and recording the moisture content of the existing concrete substrate using a suitable gauge (e.g. a CM device). | Lump sum | _____ |
| 2.3 | Lump sum | Evenness and gradient Testing the evenness and gradient of the existing substrate. | Lump sum | _____ |
| 2.4 | Lump sum | Adhesive tensile strength Determining and recording the specified adhesive tensile strength of the existing substrate using a suitable gauge (e.g. a Herion unit). | Lump sum | _____ |
| 3 | | Substrate pre-treatment See Triflex Stone Design system description, Substrate pre-treatment table. | | |
| 3.1 | _____ m ² | Grinding Preparation of the substrate by grinding with suitable abrasive tools, incl. cleaning, acknowledgement of delivery, off-site transportation and proper disposal of any rubble. | _____ /m ² | _____ |
| 3.2 | _____ m ² | Milling Removal of any contaminated surfaces on the concrete/screed using a suitable milling machine of approx. 5 mm in depth in order to ensure the adhesive property and soundness of the substrate; incl. acknowledgement of delivery, off-site transportation and proper disposal of the milled material. | _____ /m ² | _____ |

Amount carried forward: _____

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| 4 | | Triflex primer See Triflex Stone Design system description, Substrate pre-treatment table. | | |
| 4.1 | _____ m ² | Priming of asphalt Priming of the surface with Triflex Cryl Primer 222. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 4.2 | _____ m ² | Priming of concrete e.g. concrete, screed, tiles, wood, lightweight concrete, plaster/masonry. Priming of the surface with Triflex Cryl Primer 276. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 4.3 | _____ m ² | Priming of composite thermal insulation systems e.g. composite thermal insulation systems, resin- modified mortar. Priming of the surface with Triflex Pox R 100, incl. dressing with a surplus of quartz sand, size 0.2–0.6 mm. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 4.4 | _____ m ² | Priming of glass Priming of the surface with Triflex Glass Primer, incl. pre-cleaning of the surface with Triflex Glass Cleaner. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 4.5 | _____ m ² | Priming of metal e.g. stainless steel, steel and zinc. Priming of the surface with Triflex Metal Primer. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 5 | | Triflex repairs | | |
| 5.1 | _____ m ² | Grouting e.g. in the event of shrinkage cracks, small areas of damage and uneven areas. Grouting and filling in with Triflex Cryl Paste. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |

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| | | | Amount carried forward: | _____ |
| 5.2 | _____ m ² | Levelling out e.g. in the event of larger areas of damage. Levelling out and filling in with Triflex Cryl RS 240. Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 5.3 | _____ m ² | Scratch coat, mineral substrate or asphalt Repairing defective spots on the existing mineral substrate or on asphalt using a scratch coat with a Triflex ProFloor base. Triflex ProFloor scratch coat made from 33 kg Triflex ProFloor with the addition of up to 10 kg quartz sand (0.2–0.6 mm), grey finish, volume of at least 2.00 kg/m ² per mm layer thickness. Average layer thickness: Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 5.4 | _____ m ² | Gradient creation Creation of a sufficient gradient using Triflex Cryl Level 215. Average thickness: mm (volume: approx. 2.20 kg/m ² per mm layer thickness) Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |
| 6 | | Triflex detail waterproofing Creation of detail waterproofing with Triflex ProDetail incl. Triflex Special Fleece. The Triflex ProDetail waterproofing system has been awarded ETA approval (ETAG No. 06/0269) with CE mark in the highest usage categories W3, M and S, P1 to P4, S1 to S4, TL4, TH4, B _{ROOF} (t1), B _{ROOF} (t2), B _{ROOF} (t3), and its root resistance is also certified acc. to FLL standards. | | |
| 6.1 | _____ m | Wall junction Waterproofing of the wall junction with Triflex ProDetail incl. Triflex Special Fleece Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2402) | _____ /m | _____ |

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| | | | Amount carried forward: | _____ |
| 6.2 | _____ m | Door sill Waterproofing of the door sill with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (Corresponds to Triflex system drawing Stone Design-2402) | _____ /m | _____ |
| 6.3 | _____ pc. | Gully Waterproofing of the gully with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm, dia. cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2404) | _____ /pc. | _____ |
| 6.4 | _____ m | Gutter Waterproofing of the gutter inlet with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (Corresponds to Triflex system drawing Stone Design-2404) | _____ /m | _____ |
| 6.5 | _____ pc. | Settlement joint Waterproofing of the settlement joint with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm, dia. cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2403) | _____ /pc. | _____ |
| 6.6 | _____ pc. | Penetration Waterproofing of the penetration with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm, dia. cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2403) | _____ /pc. | _____ |

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| | | | Amount carried forward: | _____ |
| 6.7 | _____ m | Leading edge with bracket-mounted gutter Waterproofing of the leading edge with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2405) | _____ /m | _____ |
| 6.8 | _____ m | Leading edge with eaves flashing Waterproofing of the leading edge with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (Corresponds to Triflex system drawing Stone Design-2405) | _____ /m | _____ |
| 6.9 | _____ m | Leading edge with edge finishing profile Installation and bonding of the balcony edge finishing profile with Triflex Cryl Paste. Waterproofing of the leading edge with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2406) | _____ /m | _____ |
| 7 | | Triflex joint waterproofing Creation of joint waterproofing with Triflex ProDetail incl. Triflex Special Fleece. The Triflex ProDetail waterproofing system has been awarded ETA approval (ETAG No. 06/0269) with CE mark in the highest usage categories W3, M and S, P1 to P4, S1 to S4, TL4, TH4, BROOF(t1), BROOF(t2), BROOF(t3), and its root resistance is also certified acc. to FLL standards. | | |
| 7.1 | _____ m | Construction joint Waterproofing of the construction joint with Triflex ProDetail incl. Triflex Special Fleece. Triflex Special Fleece strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2407) | _____ /m | _____ |

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| | | | Amount carried forward: | _____ |
| 7.2 | _____ m | Settlement joint surface Waterproofing of the settlement joint with Triflex ProDetail incl. Triflex Special Fleece. Two layers of Triflex Special Fleece, strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2411) | _____ /m | _____ |
| 7.3 | _____ m | Settlement joint – wall junction Waterproofing of the settlement joint with Triflex ProDetail incl. Triflex Special Fleece. Two layers of Triflex Special Fleece, strip width: cm. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2412) | _____ /m | _____ |
| 8 | | Triflex surface waterproofing Creation of surface waterproofing with Triflex ProTerra incl. Triflex Special Fleece. The Triflex ProTerra waterproofing system has been awarded ETA approval (ETAG No. 04/0019) with CE mark in the highest usage categories W3, M and S, P1 to P4, S1 to S4, TL4, TH4, B _{ROOF} (t1). | | |
| 8.1 | _____ m ² | Surface waterproofing Waterproofing of the surface with Triflex ProTerra incl. Triflex Special Fleece. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2401) | _____ /m ² | _____ |
| 9 | | Triflex finish | | |
| 9.1 | _____ m ² | Finish with quartz sand dressing Finishing of the surface and details with Triflex Cryl Finish 205 with quartz sand dressing, size 0.2–0.6 mm. Colour: at the discretion of the client. (should be matched to the surface colour with Triflex Stone Design. Other colour combinations customised to individual requirements also possible). Application according to the material manufacturer's technical guidelines. | _____ /m ² | _____ |

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| | | | Amount carried forward: | _____ |
| 10 | | Triflex surface | | |
| 10.1 | _____ m | Profile rail as surface border (Type A) Use Triflex Cryl Paste to glue the profile rail with a side height of 6 mm. | _____ /m | _____ |
| 10.2 | _____ m ² | Wearing layer – Stone Design with grain size Type A (1–4 mm) Coating of the surface with Triflex Stone Design. Surface borders must always be finished with profiles or strips. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2401) | _____ /m ² | _____ |
| 10.3 | _____ m | Profile rail as surface border (Type B) Use Triflex Cryl Paste to glue the profile rail with a side height of 8 mm. | _____ /m | _____ |
| 10.4 | _____ m ² | Wearing layer – Stone Design with grain size Type B (5–8 mm) Coating of the surface with Triflex Stone Design. Surface borders must always be finished with profiles or strips. Application according to the material manufacturer's technical guidelines. (See Triflex system drawing Stone Design-2401) | _____ /m ² | _____ |
| 11 | | Hourly rates | | |
| 11.1 | _____ hrs. | Hourly rate of a foreman: | _____ /hr. | _____ |
| 11.2 | _____ hrs. | Hourly rate of a skilled trade worker: | _____ /hr. | _____ |
| 11.3 | _____ hrs. | Hourly rate of an assistant: | _____ /hr. | _____ |
| 12 | | Materials | | |
| 12.1 | _____ kg | Material consumption upon proof | _____ /kg | Unit price |
| 13 | | Disposal | | |
| 13.1 | Lump sum | Disposal of all waste and hazardous waste materials in accordance with the current applicable laws and implementing regulations. | Lump sum | _____ |
| | | Net total: | | _____ |

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|----------|----------|------------------------|-------------------------|--------------------|
| | | | Amount carried forward: | _____ |
| | | Statutory VAT at ____% | | _____ |
| | | Gross total: | | _____ |