**Specifications text E-Board**

Measurement

• Measuring unit: per m², all dimensions expressed in mm / cm / m. With outer cavity walls that are

composed of two types of masonry of differing materials, the measurement can be divided up as

necessary.

• Measurement code: to be performed net visible surface including edge, brick-on-edge coping and

stretcher layers, sills, possible corner blocks, decorative layers in the brickwork, etc. All window and dooropenings are subtracted; however, slits for ventilation grills, letter box openings, etc. smaller than 0.2 m²are not subtracted.

• The reveals of the window openings and the bottom of the lintels are only included (net surface area)depending on the building method. The possible cavity is never included.

• Type of the agreement: Lump-sum Quantity (LQ)

External facade insulation system |LQ|m2

Material

**Brick specifications**

• Type: hand form (HV) / vormbak (VB) / Waterstruck (WS)

• Format:

• Designation: WF / DF / M50 / M65

• Dimensions in mm (l x w x h): 210 x 20 x 50 / 210 x 20 x 65 / 190 x 20 x 50 / 190 x 20 x 65

• Bond: Flemish bond / quarter-bat bond / stack bond / irregular bond / …

• Surface texture: smooth / barked / planed / sanded / unsanded / rough / ...

• Appearance: unicoloured / multi coloured

• Category: K

• Colour shade: pink / light red / brownish red / dark red / ochre-yellow / grey / black / ... (approximate

description). The colour is homogeneous in the mass.

• Frost resistance according to NBN B 27-009: highly frost-resistant (++)

• Average water absorption according to NBN B 24-203 (1973): maximum 15 / 12 / … %

**Insulation**

• ECO-EPS

• Tongue and groove system insulation thickness > 40 mm, half-lapped joint insulation thickness ≤ 40 mm

• λD-value: 0,032 W/mK (to EN12667)

• Fire-retardant: SE Quality

• Euroclass E, under the new European regulations (to NBN EN13501-1).

• Belgium class A1 under NBN S21 – 203

• Netherlands class II under NEN 6065

• Germany class B1 under DIN 4102

• Pressure stress ≥ 100 kPa up to ≥ 200 kPa (at 2% to 10% deformation EN826)

• Tensile strength ≥ 200 kPa (EN1607)

• Water absorption ≤ 3% (EN12087)

• Water vapour diffusion μ 40-100

• Thickness from 40 mm to 300 mm (increasing per 20 mm)

• Dimensions:

• for DF/M65 : 1230 x 532 mm (7 brick layers, layer size 76 mm)

• for WF/M50: 1230 x 558 mm (9 brick layers, layer size 62 mm)

**Other materials**

Only materials allowed (approved) by the manufacturer for the external facade insulation system may be used.

Execution

• The materials must be stored dry and dust-free.

• The contractor must follow the manufacturer’s processing instructions.

• The substrate must be sufficiently flat, in compliance with the mounting manual of the manufacturer, so that the works can be performed impeccably and fulfill all guarantees.

• The installation may only be performed with materials that form part of the system.

• The panels are mechanically fastened with the provided plugs, and additionally bonded with the provided mortar adhesive. The fastenings are distributed uniformly over the surface of the element. The number of fastenings for standard elements depends on the height and the wind force (minimum of 9 fastenings/m²).

• The waterproofing between the insulation panels is assured by the tongue and groove system. At the corners the joints are injected with the provided PUR foam for bonding and waterproofing.

Execution of the jointing

• Jointing is performed in the traditional way with prefabricated or self-made joint mortar.

• The masonry mortar belongs to category M2 (cement mortar) / M3 (bastard mortar) according to

NBN B 14-001 (1985), in conformity with the processing recommendations of the brick and mortar

manufacturer.

• Joint shade: choice from a minimum of three samples / tone on tone factory mortar / ...

• Joint type: flush joint / keyed flush joint / hollow joint / keyed hollow joint / bevelled shade joint / ...

• Joint finishing: brushed joint / smooth finished / tapped-on joint with hard brush /...

Additional execution instructions

(delete what is not applicable)

• Dilatation joints: minimum every 30 meters / in accordance with the already-existing dilatation joints

(renovation) / in accordance with the rules on dilatation joints for standard masonry / …

• Finishing of reveals in facade openings: corner slips / finishing profile / window profiles installed flat (no lintel) / …

• Lintel: continuous L-profile made of galvanised steel / lacquered steel / corner slips vertical / corner soleslips horizontal / window profiles installed flat (no lintel)

• Finishing profiles lacquered in RAL colours: anthracite (7016) / brown (8019) / white (9010)

• Renovation: Existing facades must be thoroughly inspected for stability. Renovation anchors are applied where necessary.