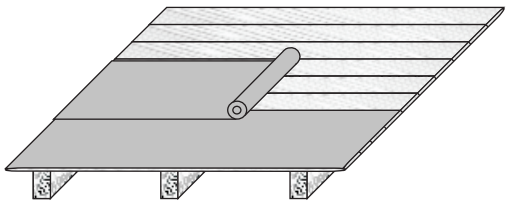
THE ASSEMBLY MANUAL

*The roof and cladding templates **EUREKO CPS and BNC***

THE BASE

The assembly of templates EUREKO CPS and BNC is performed on panel formwork OSB 3, or from air-dry (moisture level 15-20%) narrow boards with unified minimum thickness 20mm. It is necessary to observe sufficient ventilation gap between the formwork and heat-insulation layer, at least 40 mm. The applied base is the contact hydro-insulating foil with type and features depending on the roof cladding material. The diffusion foil is applied in case of single cladding roof with internal elastic membrane for the sealing provision around the puncture. The foil is placed in longitudinal strips. The overlapping of individual strips is commonly indicated on the hydro-insulating foil front /fig.1/. The locations with excessive load (valley, slope transitions, eyebrow dormers, surfaces passing under the minimum designed slope, etc.) require the application of reinforced hydro-insulation, ideally some of the modified asphalt strips.

Fig.1



DILATATION

Considering the plastic base of the product it is necessary during the template placement to adhere to the instructions below:

The templates are nailed only in locations specified. If nailing is necessary in another location, the new location must be pre-drilled by means of drill with minimum diameter 4.5 mm.

The pre-drilling is also performed in already placed templates with top nailed ridges tile, end-band tiles, the first diagonal template on the base line, etc.

Nailing is performed with due care, the nails do not require fastening (identically to fibre-cement templates).

The locations for the hurricane clip require the dilatation gap at least 5 mm between the templates. /fig. 2,3/. The riser is made for the CPS templates for the definition of minimum specified dilatation joint .

The nails used for assembly are made from Cu, FeZn, Al with diameter max. 2.8 mm and minimum length 32 mm, and also plate hurricane clips from Cu with diameter 1.8 - 2 mm. Common hurricane clips are thicker forming uneven base on the roofing, therefore are unsuitable for use.

The termination in the leeward strip, gable sheets, etc., ia always performed with sufficient dilatation gap minimum 5 mm

During the termination under the edge template BKL,BKP it is necessary to cut the template lower edge to the negative angle to ensure the remaining water on the diagonal line dripping at the lowest point – at least 10 cm from the gable edge.

Incompliance with the instructions results in adverse material dilatation and subsequent template deformation.

Fig. 2

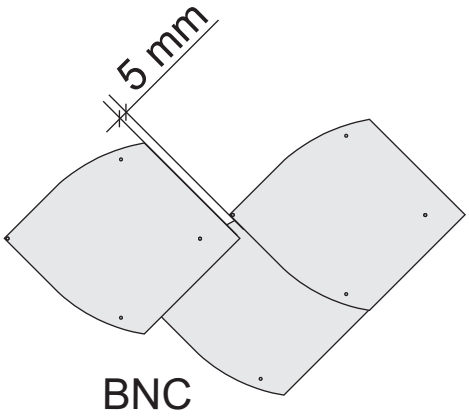
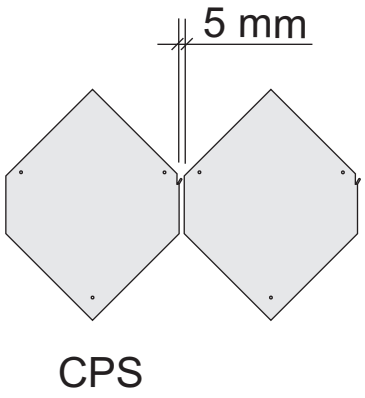


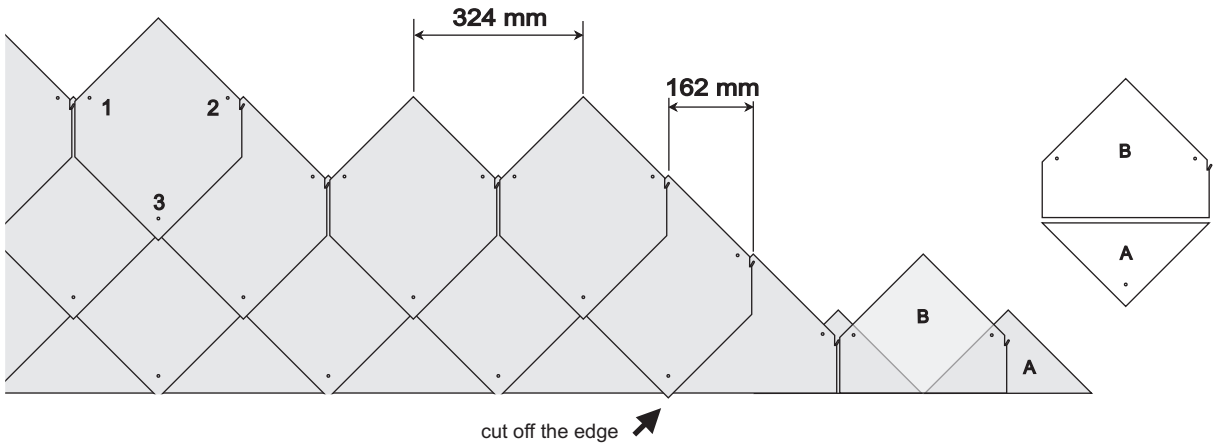
Fig. 3



TEMPLATE CPS PLACEMENT

The roofing CPS is a plate low format roofing with adjustable dimensions of overlapping and water barrier to prevent water capillary action. The templates are nailed by means of two nails in points 1, 2, and secured with hurricane clip in point 3 placed in the dilatation joints. / fig. 4 /
The lower line placement is performed via clapboard with leading hydro-insulating foil. The base line is formed by adjusted templates placed as per figure 4. After indicating the axial assembly distances of the templates at 324 mm, it is possible to place the first line from parts "A". The second line (comprising of parts "B") is shifted opposite the lower line by axial distance 162 mm. The third line is placed to the identical axial distance as the first line, the fourth line to the axial distance of the second line, etc. The template overlapping in the tip should be at least 5 mm. The lower gutter edge includes the tips cut with the level of already placed templates.

Fig. 4



BNC TEMPLATE PLACING

The roofing BNC is bidirectional plate small-format roofing with solid specified overlapping dimensions. Considering the fact that the overlapping dimensions are not identical on the template, it is necessary assemble the roofing in such way to place the larger overlapping opposite the prevailing direction of rain. In case of placing the base lines to the level, we select the placement direction in order to provide overlapping as per the 'fishscale'

The placement is possible by means of two methods:

1. Placing the baseline at the level and further under diagonal 45° without blank / fig.5 /.
2. Placing the baseline at the level and further under diagonal 45° with /

The lower line level placement is performed via clapboard with leading hydro-insulating foil. The templates in the placement line are attached by passing under the hurricane clip in the location specified for nailing and pinning the following template in the pre-pressed opening indicated on the template back side. For better adhesion, it is necessary to remove the riser by cutting the back side. Pinning is performed on the new completed dilatation opening minimum 4.5 mm above the clapboard. The first line is placed under angle 45° from the placement line by means of the template. The assembly template can be used solely for overlaps in the first templates of the diagonals never for the level work. The diagonals are placed within the full length and the flatness must be verified by measuring at the least each third line.

Nail the template in points 1 and 2. Place the hurricane clip in the dilatation joint and pin the overlapping template in the opening location – point 3 (for case of placement from the left to the right use point 4). After fixing the template bend the protruding part of the hurricane clip downwards. fig. 7/Notification: points 3 and 4 are not designed for nailing!!!

Fig. 5

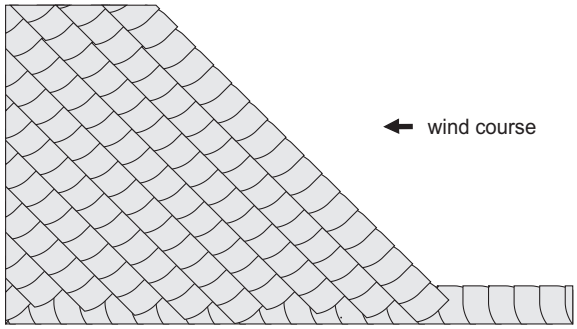


Fig. 6

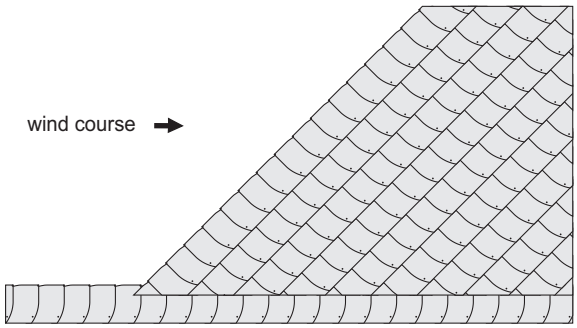
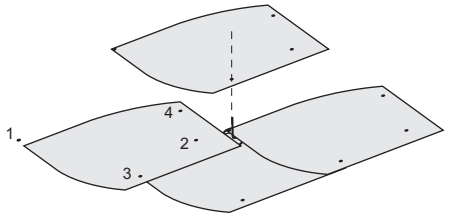


Fig. 7

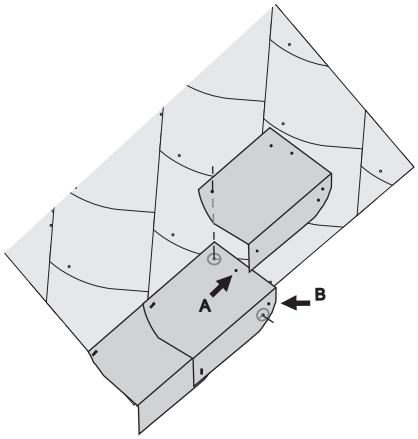


ASSEMBLY OF EDGE TEMPLATES BKL, BKP

The edge template is made for the left and right side of the roof gable termination. It is placed over the basic templates as follows:

We commence placing the first edge templates from the gutter which we nail in point "A" and "B" at first over the passed hurricane clips in pre-prepared openings /fig. 8/. Nailing in point "A" must be performed after pre-drilling the dilatation opening 4.5 mm through the already placed template. Further template is pinned in the prepared openings for hurricane clip placing and nailed in points "A" and "B" with passed hurricane clips. At last complete the template attachment by bending the hurricane clips downward.

Fig. 8



ASSEMBLY OF THE ROOF RIDGE AND CORNER BH

The roof ridge tile is commonly produced for roof slopes 25, 35 and 45°. If different angle is required, select the ridge tile slightly tighter. During assembly adjust the ridge tile by pressing to the required angle / figure 9/ and fix with two nails on opposite sides in pre-prepared openings /fig. 10/. Special plastic mats are used for nail sealing.

Fig. 9

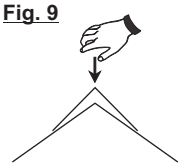
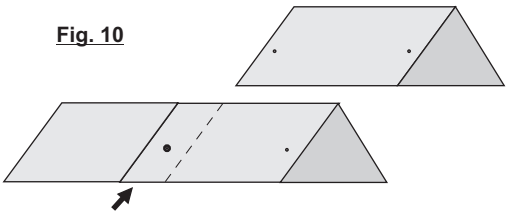


Fig. 10



REGRA PLAST spol. s r.o.

REGRA PLAST spol. s r.o.
Obora 19
440 01 LOUNY
Tel./fax : 415 676 579