

# Selection table for fasteners



| Insulation mm | Croco A | KLA roof screw | Concrete screw |
|---------------|---------|----------------|----------------|
| 30            | 20      | 50             | 60             |
| 40            | 20      | 70             | 70             |
| 50            | 20      | 70             | 80             |
| 60            | 50      | 50             | 60             |
| 70            | 50      | 70             | 70             |
| 80            | 50      | 70             | 80             |
| 90            | 50      | 90             | 90             |
| 100           | 80      | 70             | 70             |
| 110           | 80      | 70             | 80             |
| 120           | 100     | 70             | 70             |
| 130           | 110     | 70             | 70             |
| 140           | 120     | 70             | 70             |
| 150           | 120     | 70             | 80             |
| 160           | 140     | 70             | 70             |
| 170           | 150     | 70             | 70             |
| 180           | 150     | 70             | 80             |
| 190           | 170     | 70             | 70             |
| 200           | 170     | 70             | 80             |
| 210           | 170     | 90             | 90             |
| 220           | 200     | 70             | 70             |
| 230           | 200     | 70             | 80             |
| 240           | 200     | 90             | 90             |
| 250           | 200     | 90             | 100            |
| 260           | 230     | 70             | 80             |
| 270           | 230     | 90             | 90             |
| 280           | 250     | 70             | 80             |
| 290           | 250     | 90             | 90             |
| 300           | 250     | 90             | 100            |
| 310           | 250     | 110            | 110            |
| 320           | 250     | 110            | 120            |
| 330           | 300     | 70             | 80             |
| 340           | 300     | 90             | 90             |
| 350           | 300     | 90             | 100            |
| 360           | 300     | 110            | 110            |
| 370           | 300     | 110            | 120            |
| 380           | 350     | 70             | 80             |
| 390           | 350     | 90             | 90             |
| 400           | 350     | 90             | 100            |
| 410           | 350     | 110            | 110            |
| 420           | 350     | 110            | 120            |
| 430           | 400     | 70             | 80             |
| 440           | 400     | 90             | 90             |
| 450           | 400     | 90             | 100            |
| 460           | 400     | 110            | 110            |
| 470           | 400     | 110            | 120            |
| 480           | 450     | 70             | 80             |
| 490           | 450     | 90             | 90             |
| 500           | 450     | 90             | 100            |
| 510           | 450     | 110            | 110            |
| 520           | 450     | 110            | 120            |
| 530           | 500     | 70             | 80             |
| 540           | 500     | 90             | 90             |
| 550           | 500     | 90             | 100            |
| 560           | 500     | 110            | 110            |
| 570           | 500     | 110            | 120            |
| 580           | 550     | 70             | 80             |
| 590           | 550     | 90             | 90             |
| 600           | 550     | 90             | 100            |
| 610           | 550     | 110            | 110            |
| 620           | 550     | 110            | 120            |
| 630           | 600     | 70             | 80             |
| 640           | 600     | 90             | 90             |
| 650           | 600     | 90             | 100            |
| 660           | 600     | 110            | 110            |
| 670           | 600     | 110            | 120            |
| 680           | 600     | 130            | 130            |
| 690           | 650     | 90             | 90             |
| 700           | 650     | 90             | 100            |
| 710           | 650     | 110            | 110            |
| 720           | 650     | 110            | 120            |
| 730           | 650     | 130            | 130            |
| 740           | 700     | 90             | 90             |
| 750           | 700     | 90             | 100            |
| 760           | 700     | 110            | 110            |
| 770           | 700     | 110            | 120            |
| 780           | 700     | 130            | 130            |
| 790           | 700     | 130            |                |
| 800           | 700     | 150            |                |
| 810           | 700     | 150            |                |

| Insulation mm | Croco B * | KLA roof screw | Concrete screw |
|---------------|-----------|----------------|----------------|
| 30            | 20        | 70             | 60             |
| 40            | 30        | 70             | 60             |
| 50            | 30        | 70             | 70             |
| 60            | 50        | 70             | 60             |
| 70            | 50        | 70             | 70             |
| 80            | 50        | 90             | 80             |
| 90            | 50        | 90             | 90             |
| 100           | 80        | 70             | 70             |
| 110           | 80        | 90             | 80             |
| 120           | 100       | 70             | 70             |
| 130           | 110       | 70             | 70             |
| 140           | 120       | 70             | 70             |
| 150           | 120       | 90             | 80             |
| 160           | 140       | 70             | 70             |
| 170           | 150       | 70             | 70             |
| 180           | 150       | 90             | 80             |
| 190           | 170       | 70             | 70             |
| 200           | 170       | 90             | 80             |
| 210           | 170       | 90             | 90             |
| 220           | 200       | 70             | 70             |
| 230           | 200       | 90             | 80             |
| 240           | 200       | 90             | 90             |
| 250           | 200       | 110            | 100            |
| 260           | 230       | 90             | 80             |
| 270           | 230       | 90             | 90             |
| 280           | 250       | 90             | 80             |
| 290           | 260       | 90             | 80             |
| 300           | 260       | 90             | 90             |
| 310           | 260       | 110            | 100            |
| 320           | 290       | 90             | 80             |
| 330           | 300       | 90             | 80             |
| 340           | 300       | 90             | 90             |
| 350           | 300       | 110            | 100            |
| 360           | 300       | 110            | 110            |
| 370           | 300       | 130            | 120            |
| 380           | 350       | 90             | 80             |
| 390           | 350       | 90             | 90             |
| 400           | 370       | 90             | 80             |
| 410           | 370       | 90             | 90             |
| 420           | 370       | 110            | 100            |
| 430           | 400       | 90             | 80             |
| 440           | 400       | 90             | 90             |
| 450           | 400       | 110            | 100            |
| 460           | 400       | 110            | 110            |
| 470           | 400       | 130            | 120            |
| 480           | 450       | 90             | 80             |
| 490           | 450       | 90             | 90             |
| 500           | 450       | 110            | 100            |
| 510           | 450       | 110            | 110            |
| 520           | 450       | 130            | 120            |
| 530           | 500       | 90             | 80             |
| 540           | 500       | 90             | 90             |
| 550           | 500       | 110            | 100            |
| 560           | 500       | 110            | 110            |
| 570           | 500       | 130            | 120            |
| 580           | 550       | 90             | 80             |
| 590           | 550       | 90             | 90             |
| 600           | 550       | 110            | 100            |
| 610           | 550       | 110            | 110            |
| 620           | 550       | 130            | 120            |
| 630           | 600       | 90             | 80             |
| 640           | 600       | 90             | 90             |
| 650           | 600       | 110            | 100            |
| 660           | 600       | 110            | 110            |
| 670           | 600       | 130            | 120            |
| 680           | 600       | 130            | 130            |
| 690           | 600       | 150            |                |
| 700           | 600       | 150            |                |
| 710           | 600       |                |                |

\* The screw length specifications in the Croco B table assume that, in addition to the insulation thickness, there are two bitumen membrane layers: combined thickness approximately 10 mm.

Please contact VILPE Technical Support regarding fastener dimensioning for load-bearing steel profiled sheet roofings. The insulation combination used affects the selected fastener and screw length. The dimensions in the table are indicative only.

## The length of the adjustable fasteners and their suitability for different insulation thicknesses

| Insulation mm | Croco mm | Adjustable screw 95 mm | Adjustable screw 150 mm |
|---------------|----------|------------------------|-------------------------|
| 110-140       | 100      | x                      |                         |
| 130-160       | 120      | x                      |                         |
| 160-180       | 140      | x                      |                         |
| 170-190       | 150      | x                      |                         |
| 170-250       | 150      |                        | x                       |
| 190-210       | 170      | x                      |                         |
| 220-240       | 200      | x                      |                         |
| 220-300       | 200      |                        | x                       |
| 250-270       | 230      | x                      |                         |
| 280-290       | 250      | x                      |                         |
| 280-350       | 250      |                        | x                       |
| 310-340       | 300      | x                      |                         |
| 330-400       | 300      |                        | x                       |
| 380-450       | 350      |                        | x                       |
| 430-500       | 400      |                        | x                       |
| 480-550       | 450      |                        | x                       |
| 530-600       | 500      |                        | x                       |
| 580-650       | 550      |                        | x                       |
| 630-700       | 600      |                        | x                       |
| 680-750       | 650**    |                        | x                       |
| 730-800       | 700**    |                        | x                       |

Compression flex should be considered under roof walkways, on soft insulation and in areas where high loads are expected.

\*\*Only available as Croco A fasteners.

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