

1

Before starting off

open the document properties (Shift+Ctrl+D)

set default units to mm,
set page size to
100 mm / 100 mm

change background colour

disable border shadows

First steps

draw a square with the
rectangle tool the size of
100 mm / 100 mm,
at (0,0) position
with no rounded corners

2

convert object to path
(Ctrl+Shift+C)

draw an octagon with
the Star tool
-pull handle down
while holding Ctrl for
perfect alignment

convert object to path

resize to
100 mm / 100 mm and
align object to square
-by editing position coordinates
just with the square, or
by using the
align and distribute panel
(Shift+Ctrl+A)

3

convert octagon to guides
(Shift+G)

duplicate square
(Ctrl+D)
convert duplicant to guides

enable snapping of nodes,
cusp nodes,
smooth nodes,
path segments,
path intersections,
and guides

draw a diagonal rectangle
with the pen tool
by connecting the right
guide intersection points

4

duplicate it, then
rotate the duplicant by 45°
with the select tool,
by holding Ctrl

convert both paths
to guides

and use the pen tool
to connect the right
intersection points

after that,
the guide lines
can be deleted

5

select both objects,
duplicate them and
group them together
(Ctrl+G)

flip the group vertically
(V)

ungroup object and delete
the duplicant of the square

6

select original and duplicant,
duplicate them
and flip them horizontally
(H)

7

select the four objects on top,
duplicate them,
group them together,
and rotate 90°,

then ungroup the object

8

select all 8 objects,
open the fill and stroke panel
(Shift+Ctrl+F)
and set opacity to 100%,

group objects together,
set no fill, a 3 mm stroke,
appropriate join and cap styles

9

duplicate square,
and move it to the bottom (End)

select group on top,
move to bottom (End)

add square on top to selection
(Shift+Click)
set clipping,
move object to top (Home)

10

use the pen tool
to draw the filled areas,
by snapping to
path intersections

use duplicating,
grouping and mirroring,
just with the pattern's strokes
for more comfort

set fill colours of your choice,
and no strokes

11

group filled paths together
and move them to the bottom
(End)

delete the unnecessary square
group the two groups together