

Deflected Double Weave on 4 Shafts

The two layers of cloth in deflected double weave are interlocked in places, causing a deflection. The structure is usually woven on 8 shafts (or more) and used for differential shrinkage, resulting in a puckered cloth. Below is a draft for a 4-shafts version. In weaving the red warp and the pink weft are the same, here 10/2 Tencel® sett at 12 epi (T); the burgundy warp and the brown weft are the same, here Jaggerspun wool sett at 8 epi (W). The

are the same, here Jaggerspun wool sett at 8 epi (W). The sleying in an 8-dent reed is as follows:

2 T	2 T	2 T	4 W
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The relative numbers of threads in the two layers (here 6 and 4) are adjusted to control the floats.

Below on the left is a photo of the front of the fabric before washing, on the right after washing, approximately 40% smaller. The wool floats shrink resulting in the textured fabric. The technique, of course, does not have to be used for differential shrinkage.

