

Weaving Project Calculations Sheet
Date:
Project Description:
Weave structure/ source:
Warp: Fibre type/size/source:

Weft: Fibre type/size/source:

Sett (EPCm)
Reed:
Slay:
Floating Selvedge:
WARP AND WEFT CALCULATIONS

## Warp Length

Finished length of total piece/hems \& samples
Shrinkage (depends on yarn \& finishing) (10\%)

## Length to be woven

Take-up (10\% for balanced weave)
Fringes (if required) $\qquad$
Loom waste of $50-100 \mathrm{~cm}$ less fringe
e..
$\qquad$

TOTAL LENGTH OF WARP divided by 100 to change to metres

## Warp Width

Finished Width.
Draw-in (10\%-15\%).
Shrinkage (of weft yarn - 5\% - 15\%)
TOTAL WIDTH AT REED
Multiply WIDTH x Ends per cm (EPCm)
TOTAL \# OF ENDS (plus any floating selvedge)
Materials Required for Warp
TOTAL \# of ENDS.
times TOTAL LENGTH of warp
= METRES OF WARP needed
Convert yard to weight

## Calculate Weft YARN

## WIDTH AT REED

+ Take up (10\% OR ?) $\qquad$
= Length of one weft shot (Pick)
Picks per Inch (PPCm)=EPCm for Balanced weaving
x Weaving Length (in cm)
= Number of WEFT SHOTS
X Length of one weft shot (Pick)
= TOTAL cm needed for weft
divided by 100 to change to metres
Convert Metres to weight
Total Metres Needed for Project

Metric
$\square$
$\square$

