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	Product type: Tyngdedyne		xx.xx.22

TECHPACK TYNGDEDYNE

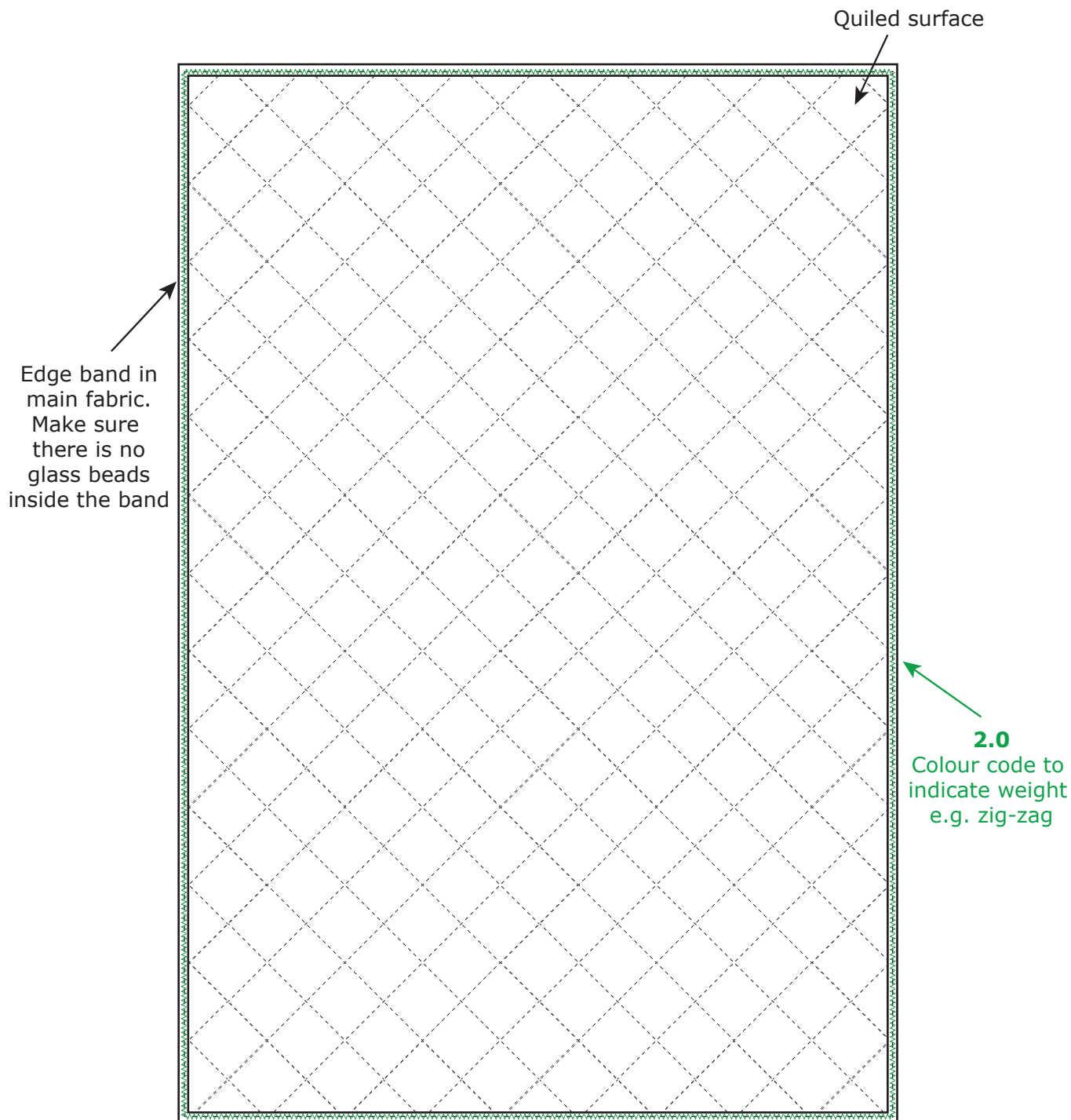
Vejledning til techpack og tilhørende kravspecifikation, kontraktbilag 2

Ved gennemgang af nærværende kontraktbilag 1 - techpack, er det vigtigt at Leverandøren er opmærksom på følgende:

- Beskrivelser med **Sort tekst** er mindstekrav (MK) til produktet, og skal derfor overholdes.
Leverandøren bekræfter automatisk ved aflevering af tilbuddet, at de fastsatte mindstekrav er opfyldt.
- Beskrivelser med **Grøn tekst** er konkurrenceparameter (KP).
Leverandøren skal ved besvarelse af konkurrenceparametrene orientere sig i kontraktbilag 2 - kravspecifikationen under samme nummerering.
- Beskrivelser med **Blå tekst** er valg som Leverandøren skal foretage.
Disse valg indgår ikke i evalueringen, men Ordregiver ønsker i kontraktbilag 2 - kravspecifikationen under den pågældende nummerering oplyst, hvilke valg Leverandøren har taget.


	Technical flat	Style No: See p. 2	Approved supplier
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Not to scale



Description:

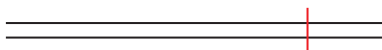
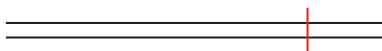
Weight blanket in 4 different weight classes; either 4, 6, 8, 10 kg or 5, 7, 9, 11 kg. Multiple layer construction; glass beads, padding and outer fabric. At least 3 layers. Quilted surface for holding glass beads in place and band at edges. Further details in style description.

	Style description	Style No: See p. 2	Approved supplier
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Example of Material and trim table (the product must have at least 3 layers)

Description	Article	Composition	Applied	Consumption
Fabric 1 4.0	Woven Colour: White	100% Cotton 115 g/m2	Outer fabric (first layer) Must be breathable	
Fabric 2 4.0	Lining Colour: White	100% Polyester 60 g/m2	Second layer	
Fabric 3 4.0	Microfiber/non-glue padding Colour: White	100% Polyester 100 g/m2	Third layer	
Filling	Round glass beads	100% Glass 0,5-1,2 mm diameter	Middle layer	
Thread	No 120 Colour: tone in tone	100% Polyester	All seams	
Thread 2.0	No 120 Colour: Colour code	100% Polyester	Zig-Zag colour code	

Machine type requirements

Machine type	Stitch type	Applied	Technical drawing
Steam Pressing	-	Intermediate pressing of all seams, finish press	-
Lockstitch	301 7 st/2 cm	All assemblings All seams must be straight	
Zig-Zag 2.0	304	Weight indication All seams must be straight	

Weight instruction 2.0

Weight	Style no.	Colour code	Pantone no. / Saba no.
4/5 kg	9991		19-1664 TPX / 504
6/7 kg	9992		18-5841 TPX / 909
8/9 kg	9982		13-0755 TPX / 120
10/11 kg	9983		Black / 4000


General Seam allowance/tolerance

Band stitches: Band 1,2 cm, +/- 0,2 cm.
Stitched 1 cm from edge, +/- 0,2 cm.

Grainline: Fabric must be cut straight on grainline to avoid fabric from twisting.

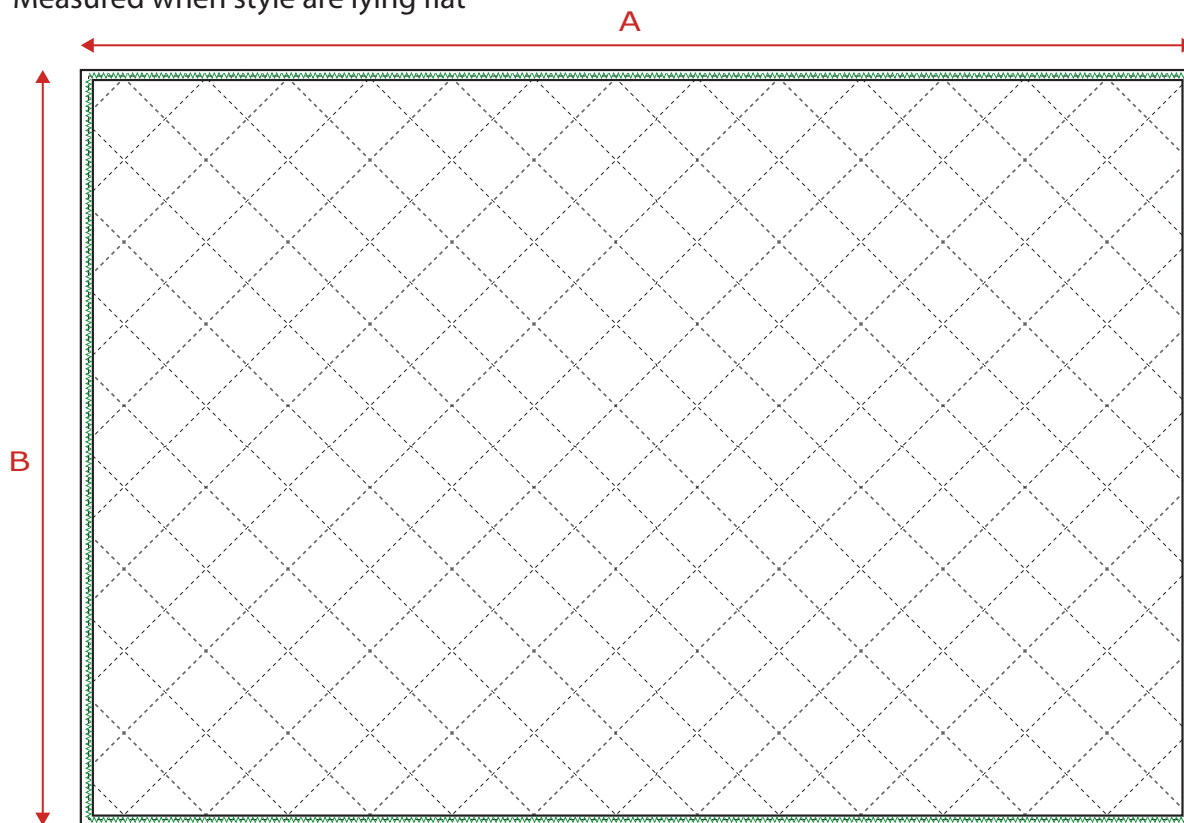
Quiltings: All quilting squares must be within the size of 10-15 cm and diagonal.

Glass beads: It is very important that the glass beads are evenly divided within the quilted areas to obtain the best comfort of the duvet and that the beads stays in place after many washes.

	Measurement chart	Style No: See p. 2	Approved supplier
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Not to scale

Measured when style are lying flat



	Type	Tolerance/cm	MMC/cm
A	Length	2	200
B	Width	2	140

Comments:

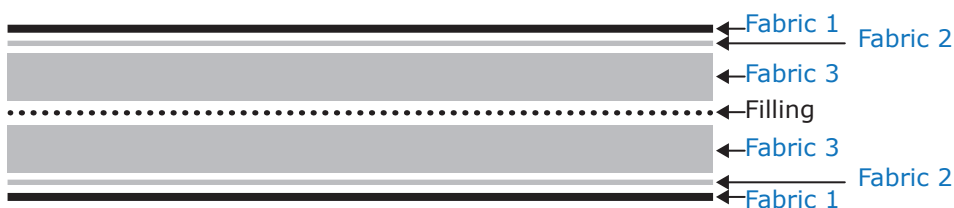
- The shape must be symmetrical.
- MMC are before wash.



Red arrows refer to measurement chart

Detail drawing; example of layers in the duvet 4.0

Layers: Must be at least 3 layers at each side of glass beads.




Fabric 1: Outer fabric, woven

Fabric 2: Lining

Fabric 3: Microfiber/non-glue padding

Filling: Glass beads

	Fabric requirements	Style No: See p. 2	Approved supplier
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Product data	Before wash	Min. requirements
Fiber content: 4.0	EU Regulation No 1007/2011	Outer fabric: 100% CO Padding: 100% PE Lining: 100% PE
Certification:		Øko-tex 100
Surface fuzzing and pilling tendency (Martindale) 1-5 scale, 5 best value	EN ISO 12945-2:2020 End note at 2.000	≥2-3
Tearing strength (Elmendorf Method, Pendulum = D)	EN ISO 13937-1:2000 Value in Newton	Warp ≥14 Newton Weft ≥15,5 Newton

The outer fabric must be able to resist application of heat pressure and lable at 220 oC/15 sec.

Product data	After 5 washes	Min. requirements
Dimensional change in washing and drying:	EN ISO 5077:2008 EN ISO 3759:2011 EN ISO 6330:2021 Test no.:9Nh, F (washing 92oC and tumble drying)	Change max. 5% Please make sure all materials shrink uniform
Test of colour fastness of textiles	EN ISO 20105-A02:1994	≥2
Grey scale for assessing change in colour	ISO 105-A02:1993	≥2
Smoothness appearance of fabrics after cleansing	ISO 7768:2009	≥2
Smoothness appearance of seams in fabrics after cleansing	ISO 7770:2009	≥2


Special requirements for the product

Free and partly hydrolysable formaldehyde 75 ppm

PH-value 4,5 - 7,5

**CE Certification: Approved for medical equipment use.
Please note the CE certification must be visible on the product.**

EN ISO 13485:2016+AC:2018
EN ISO 14971:2019
EN ISO 15223-1:2021
EN 1041:2008
EN ISO 10993-1:2020+AC:2010

	Product instructions	Style No: See p. 2	Approved supplier
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Finish

The following is not accepted:

No tacks/corrections are allowed on decorative top stitches.
 Broken stitches and open seams.
 Holes made by needles or other damages.
 Uneven stitches must not exceed the tolerances.
 Incorrect thread tension.
 Seam-ends longer than 0.2 cm.
 Seam assembling must not exceed the tolerance +/- 1 mm.

Finish:

Control according to the measurment chart and for broken seams, fabric spots, dirt and faults.
 Remove loose thread ends and stickers and finish steam press.

Washing, tubledry and bleach. Minimum: 20 times

General:

All materials must resist industrial washing and industrial tumbledry.
 No chemical acids known to cause allergy-substance or similar nuisance are allowed in the garments.

Washing:

The product must resist washing at 60 degrees temperature in at least 15 min.

Tumbledry:

The product must resist tubledry at 80 degrees temperature in at least 20 min.

Bleach:

The product must resist chlorin bleach.

Chemestry in washing:

The product must resist a treatment with PH up to 9,5.

Size, look and shrinkage after 20 times

General:

The appearance of the product must overall remain the same after wash, drying and in use.
 Please make sure the padding do not colaps or make lumps after washing and in use.
 Please make sure the stitches do not break in use.
 Durability of the product is a very important factor for us.