



TECHNICAL SPECIFICATIONS

BACO Cineplex

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100% MADE IN EUROPE

CHAIR BACK: The inner support is made of 15mm x 30mm steel profile, shaped & bended in cold that serves as a “one piece rectangular hoop” for four serpentine springs of 3mm thickness and seven turns each. This frame is entirely integrated with M4 fire class cold moulded polyurethane foam of 57Kg/m³ density shaped to the contour of the springs on the surface. The resulting block of inner metal structure & foam acts as a foundation and stopper for the tipping seat thanks to the 20x50mm metal plate welded to the bottom of the back. The outer shell is made out of injection moulded PPR 1042 copolymer polypropylene of high impact-resistance, with textured outer surface, formed to enclose the edges of the inner upholstered structure at the top and both sides of the back. The polypropylene shell extends below the seat level to protect the seat cushion and assembles the adjacent chairs.

TIP-UP SEAT: The inner support is made of 15mm x 30mm steel profile, shaped & bended in cold that serves as a “one piece rectangular hoop” for four serpentine springs of 3mm thickness and seven turns each. The self-lifting mechanism is inserted within the metal frame: a 30mm \varnothing round shaft with its own regulation system inside. The frame with the tipping mechanism is totally integrated with M4 fire class cold moulded polyurethane foam of 65Kg/m³ density shaped to the contour of the springs on the bottom.

AISLE & MIDDLE STANDARDS: All manufactured of 2mm welded steel to a 65x40mm rectangular tube. The top of the column has two formed steel wings for secure attachment of the armrests. A 2mm reinforced steel plate foot is welded to the bottom of the rectangular tube covering all stress areas 360 degrees around the tube with continuous thin wire and is concealed on the inside so as not to detract from the clean appearance ; all weldings are gas shielded, arc weld. The foot plates are fabricated to be compatible with the floor incline, and to maintain proper seat and back height and angle. All exposed metal parts are powder coated with an epoxy powder coat finish. The powder coat finish is applied by electrostatic means to a thickness of 80-90 micron and after coating is oven baked to cause proper flow of the epoxy powder to result in a smooth, durable finish.

Upholstered panels are added to aisle standards : all made of wood and supported and secured to the steel structure of the standards. The top of the panels provide the shape for the secure attachment of the armrests.

ARMRESTS: All manufactured in injected polypropylene of black color with integrated cup holder and all edges well rounded. Armrests are furnished with two keyholes in the bottom that lock securely to dovetail lugs provided on aisle and middle standards.

UPHOLSTERY: The seat cover is fully upholstered in a single piece with zip while the back cover is specially produced to get adapted to the plastic shell - both are securely fastened to the flat surface of the cushions by means of Velcro ® stripes to facilitate ease of re-upholstering. All stitching with Serafil 40 thread made from 100 % polyester continuous filaments of high tenacity.



FABRIC: M1 fire class XTREME fabric from CAMIRA FABRICS (UK): a modern crepe weave fabric produced from 100% recycled polyester and manufactured using environmentally friendly non-metallic dyestuffs. This fabric achieves full euro flammability award: BS7176; 1995 Medium Hazard, French M1, German B1, Italian Classe Uno. This durable fabric achieves 100,000 Martindale abrasion cycles & has non-pilling properties (the fabric's proven durability was awarded a 10 year guarantee for normal 8 hour usage) Finally, it is accredited with the EU Flower eco-label. durability and non-pilling properties fabric's proven durability was awarded a 10 year guarantee for normal 8 hour usage.

TESTS

Compliance with Standards UNE EN 12727:01 - Furniture. Ranked Seating. Test Methods and Requirements for Strength and Durability. Public Use Level 4

Seat and Back Static Load Test (Fv=2000N, Fh760N, n=10 times): Correct
Horizontal Forward Static Load to Back (Fh=760N, n=10 times): Correct
Vertical Static Test on Back (Fv=900N, n=10 times): Correct
Arm Sideways Static Load Test (Fh=1000N, n=10 times): Correct
Arm Downwards Static Load Test (Fh=1000N, n=10times): Correct
Back Impact Test (M=5kg, a=68°, n=10 times): Correct
Arm Impact Test (M=5kg, a=68°, n=10 times): Correct
Tipping Seat Operation Test (n=100,000 cycles): Correct

Dynactiv Series from Benecke-Kaliko (Spain)

Composition: 80% PVC + 20% Polyester

Weight: 655g/m² +/-10%

Abrasion Resistance Pilling: 150,000 Martindale cycles (12Kpa) ISO 5470-2

Flammability: EN 1021 (1-2), M2, B2, IMO A652

Light Fastness: 6 (ISO 105-B02:1999)

Maintenance: Wipe clean with a damp cloth or shampoo using appropriate upholstery shampoo

Serafil Sewing thread from Amman and Soehne GmbH (Germany)

Linear density (dtex) (ISO DIN EN ISO 2060): approx. 504 * 3 dtex

Linear density (Nm) (ISO DIN EN ISO 2060): approx. Nm 20 / 3

Breaking force (ISO DIN EN ISO 2062): approx. 8960 cN

Elongation at break (ISO DIN EN ISO 2062): approx. 19 %

Colour fastness to artificial daylight (ISO 105 B 02): 5

Colour fastness to perspiration (ISO 105 E 04): 4

Colour fastness to washing 95°C (ISO 105 C06 - E2): 3-4

Colour fastness to rubbing 1) dry (ISO 105 X 12): 4

Colour fastness to rubbing 2) wet (ISO 105 X 12): 4

Colour fastness to dry cleaning (ISO 105 D 01): 4

Colour fastness to water (ISO 105 E 01): 4

Colour fastness to bleaching with hypochlorite (ISO 105 N 01): 4-5

Cold moulded foam HP05 2124/IFLX 1001 from PLASFI SA (Spain)

Flammability: UNE EN 1021-1:2015 and UNE EN 1021-2:2015

