



O&M MANUAL |
CLEANING GUIDE |
WARRANTY

ACOUSTIC ROOMS



FRAMEWORK

Aluminium alloy, 6063-T6

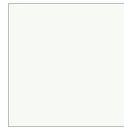
Epoxy powder coated in White, Black, Silver, Bronze

Or any standard AkzoNobel RAL Colour.

Rigid Black PVC post to post connectors

Can customise connectors on request

WHITE



RAL 9016

BLACK



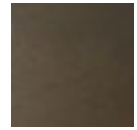
RAL 9005

SILVER



RAL 9006

BRONZE



Y2214F

PANEL CONSTRUCTION

Solid Wall Panels are 100mm thick with clip on/off decorative panels leaving an internal void of 72mm which is filled with sound absorbing acoustic foam.

Glazed panels are framed with anodised or painted architecturally engineered aluminium frame. Toughened glass and other decorative materials are supported within.

GLAZED PANEL

10mm toughened Glass

- Framed with aluminium separation
- Continuation assembly (butt-joint)
- Crittall frame

SOLID PANEL

MFC Tiles

Fabric Wrap

- Camira Blazer
- Camira Blazer Lite

Other fabrics and finishes available on request

Back Painted Glass

Whiteboard

Pinnable Fabric

Painted Finish

DOORS

Pivot Door

- Aluminium framed door with double glazed glass core. Includes lock mechanism and acoustic drop seal.

Sliding Door

- 10mm toughened glass slide door with soft close mechanism and acoustic drop seal.

Door Furniture

- Silver handle
- Black handle



CEILING

Ecophon Focus DS concealed suspended ceiling tested according to EN ISO354. Standard Ceiling Finish is White.

Additional colours available on request

CEILING LIGHTS

LED Spotlights

Individual spotlights located centrally in a ceiling tile. Halers 60 degree beam angle 7.9W down-light.

LED Panel

- 600mm x 600mm flat LED light panel.
Duluxe Dimmable 120 degree beam angle 40W
- 1200mm x 600mm flat LED light panel.
Duluxe Dimmable 120 degree beam angle 82W

All are dimmable and available in Daylight (6000-6300K)

Cool White (4000-4200K) and Warm White (3000 -3500K) colour temperatures.



Air Flow Circulation



LED Lighting

AIR VENTILATION

Inline Fan Circulation

Air flow circulation system using flush fitted quiet fan via ceiling mounted ducts, to circulate 31 litres per second using 220-240V – AC 50Hz single phase consuming 17W.

Comfort Cooling (Air Conditioning)

Automated Climate control comfort cooling system, preset to maintain 20-21 degrees via ceiling mounted feed points.

ELECTRICAL WIRING LOOP

Electrics can be channelled from the floor or ceiling via the connecting posts or behind the removable panels, giving continuous cable management and access. Power and data modules are fitted in the wall panels in positions to suit the customer's requirements.

Lighting and airflow systems run on a 220-230V mains supply and are protected by a residual-current circuit breaker and are activated by a PIR motion sensor.



CLEANING GUIDANCE

All the cleaning equipment must be kept clean. This is to prevent any dirt or abrasive particles transferring from the equipment back onto the glass which may scratch or damage the coating

Fabric panels: see Camira Cleaning Guide, See Page 5

MFC panels: see Egger MFC Cleaning Guide, See Page 9

Ecophon Ceiling Tiles: Daily dusting and vacuum cleaning. Weekly wet wiping. See page 10

Anodized trim: Wipe down your anodized aluminum surface with a damp sponge to remove general surface dirt.

Painted Trim: Wipe down your painted surface with a damp sponge to remove general surface dirt.

Glass. Recommended cleaning equipment:

- A soft, clean lint-free cloth or chamois leather.
- A clean, soft non-abrasive sponge.
- A clean, non-metal window squeegee. Recommended cleaning products:
- Clean water will normally suffice.
- Standard, mild glass-cleaning products can also be used. Important
- Avoid contact with all sharp or abrasive objects including jewellery, buckles, tape measures, razor blades, Stanley knives, scouring pads, steel wool, sandpaper etc.
- Do not use any glass treatment products containing abrasive particles.
- Do not use any commercial cleaning products which are intended specifically for cleaning elements other than glass.
- Do not use aggressive, strongly acid or alkaline chemical products: soda, bleach, washing powder, white spirit etc



WARRANTY

We offer a 5 year warranty on all structural elements and 2 year warranty on electrical components, subject to normal conditions of use and care. This guarantee includes all integral fixings and fittings and is only valid if the AR unit has been installed or re-installed by a TASK approved installer, otherwise the warranty is invalid.

Please contact us for any warranty enquirers:

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Let's talk dirty. It's the only way to keep fabrics clean and looking their best. So here are our top tips for fabric care and maintenance.



Top

Water repellent treatments can be applied to fabrics causing liquid spills to bead on the surface rather than soak in.

Right

Regular vacuuming is recommended to remove dust and dirt from the fabrics surface.

Bottom

It's important to clean up food and liquid based spillages quickly to help prevent long term damage to fabrics.



Contract fabrics don't look after themselves, even those with additional stain repellent treatment, without proper care and attention can look old and dirty well before their time. In extreme cases they can even wear through.

Fabric care in the workplace and contract interiors isn't rocket science and there are obvious parallels to how you look after upholstery fabrics in the home. Following a few simple rules can add years to the wear life and appearance of what should be the most visually appealing element of furniture.

Top tips:

- ① Vacuum your fabrics regularly to prevent build up of dust and dirt on the fabric surface.
- ② Get to spills and stains quickly. Mop up the excess liquid using kitchen roll or a damp cloth. Then clean using upholstery shampoo, detergent or handwash.
- ③ Always use a branded upholstery shampoo. Alternatively, both wool and polyester can be dry cleaned.
- ④ In spill or stain prone areas, specify a stain repellent finish or a wipe down upholstery solution.

Further info:

- ① Polypropylene and Intervene can be bleach cleaned using up to a 10% bleach chlorine solution (1 part bleach to 10 parts water).
- ② Polyester can be machine washed at 40°C - 60°C although the fabrics will need to be in the form of removeable covers.
- ③ Due to the high temperatures involved polypropylene should NOT be machine washed or dry cleaned.
- ④ Never apply bleach, ammonia, alkalai or strong acids to wool upholstery.

Use this simple guide to determine how specific stains should be treated.

Try step A first, applying small quantities of liquid and blotting well with clean tissues after each application. Work carefully to remove the stain from the outside in and allow to dry. If the stain is still apparent, try step B and later C.

Stain	A	B	C	Key of treatments
Alcoholic drinks	9	11	7	1. White spirit, Turpentine or substitute
Blood	5, 8	3	7	
Butter	14, 15	1,2	3	2. Dry cleaning fluid (1,1,1, Trichloroethane)
Chewing gum	14	2,4	16	
Chocolate	3	1		3. Upholstery detergent or shampoo at manufacturer's recommended dilution
Coffee	13	11	3	
Cola/soft drinks	9	7		4. Acetone, nail polish remover - non oily
Fruit juice	7	3	6, 3	
Furniture polish	1	3	2	5. Cold water
Gravy/sauce	3	1	7	
Ink (biro)	6	4	10	6. Surgical spirit (alcohol)
Ink (felt tip pen)	6	4	3	
Ink (writing)	3	16		7. Borax 2% solution, dissolve 1 teaspoonful in warm water, top up cup with cold water
Jam	3	7		
Lipstick	1	2	3	8. Salt 2% solution, 1 level teaspoon in a cup of tepid water
Milk	8	3	7	
Nail Varnish	4	16		9. Use 3 as above plus a drop of spirit vinegar
Oil & grease	1	2	3	
Paint (oil based)	1	3	16	10. Biological detergent 1% solution (1 level tsp in cup of warm water)
Paint (water based)	5	3	16	
Shoe polish	1	2	3	11. Use 6 as above diluted with 1:5 water
Tea	3	11	7	
Urine	3	12	16	12. Disinfectant, dilute as recommended on bottle, or 1 tsp in 2 pints of water
Vomit	3	12	16	
Wine	3	13	11	13. Use 7 as above plus a drop of spirit vinegar
				14. Chill with ice cubes in a plastic bag
				15. Hot iron over layers of white tissue
				16. Consult a professional cleaner

Technical leaflet

EGGER Eurodekor melamine faced boards

Material Specification:

Melamine faced wood-based panel with a decorative surface.

The substrate can be either EGGER Eurospan Rawboard, EGGER MDF or EGGER OSB Combiline

Area of application:

Decorative wood based panels for interior uses



Cleaning and care instructions

Due to their resistant and hygienic surfaces, Eurodekor melamine faced boards do not require any special maintenance. The surface is generally easy to clean; this also applies to textured surfaces.

The recommended cleaning methods according to the degree of soiling are as follows:

Light, fresh soiling

Clean with a paper towel, a soft clean cloth (dry/damp) or a sponge.

If using a damp cloth, dry the surface with an absorbent paper towel or microfibre cloth.

How to avoid streaks

Streaks often form when the surface is cleaned with organic solvents, together with cold water and old cloths. To ensure no streaks occur when cleaning, we recommend wiping the surface down with warm water and then drying it using normal paper towels or microfibre cloths.

Normal soiling – extended contact time

Clean with warm water, a clean rag or microfibre cloth, a soft sponge or soft brush. Use normal domestic cleaners or soaps that have no abrasive ingredients. Then wipe with fresh water, removing all traces of the cleaning agent, to prevent streaks forming. Dry the surface with a clean, absorbent cloth or paper towels.

The following cleaning agents should not be used under any circumstances:

- Scouring and abrasive agents (abrasive powders, scouring pads, steel wool)
- Polish, washing powder, furniture cleaner, bleach
- Detergents with strong acids and acidic salts
- Steam cleaning equipment

Care and usage tips for matt surfaces

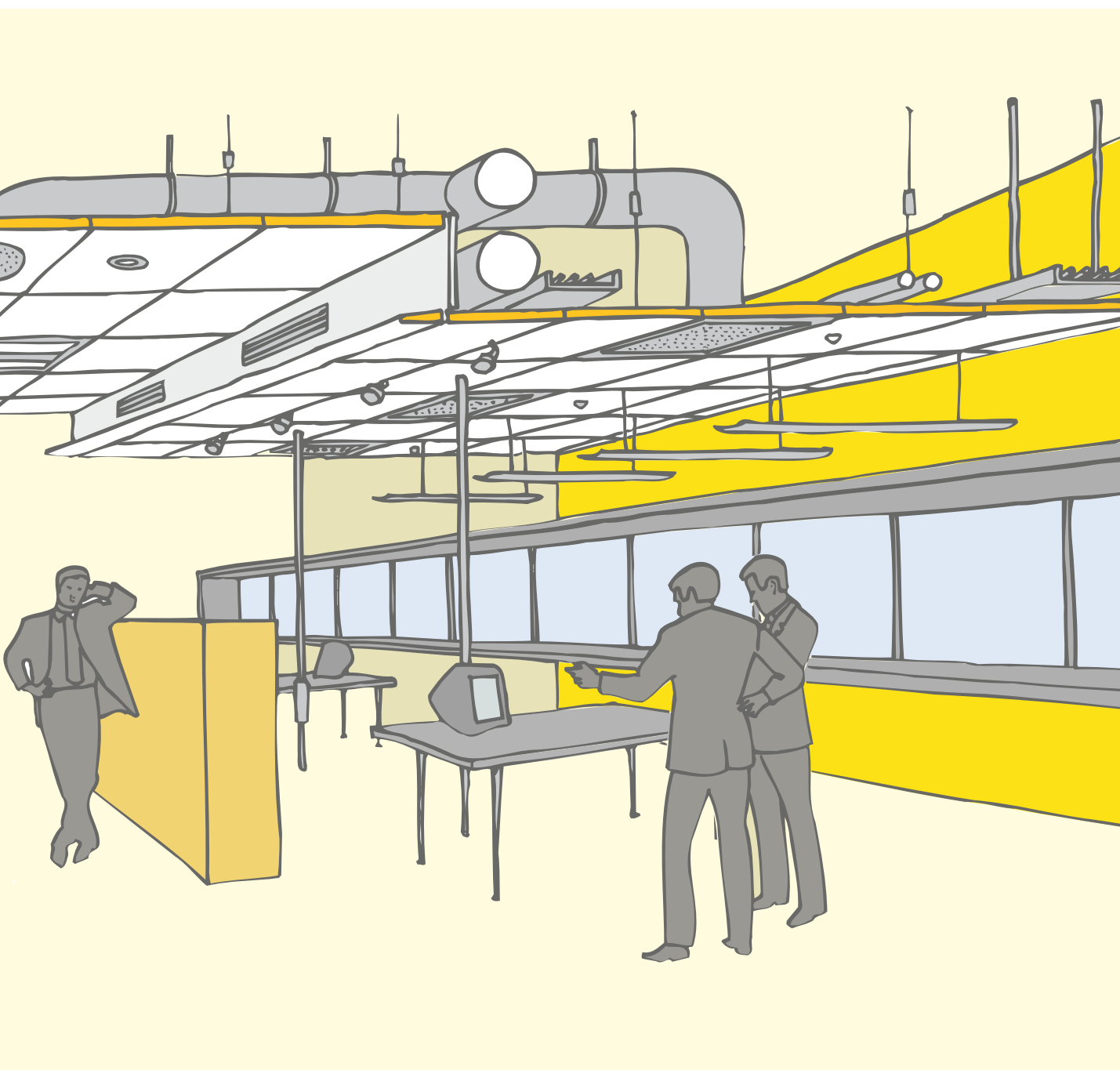
Surfaces with a matt finish have a very natural look and feel. The oiled or matt lacquered type finish thus retains the characteristics of the original, solid wood surface. Like high-gloss or solid wood surfaces, a few points need to be considered when using and caring for matt surfaces.

As with other synthetic surfaces, normal soiling is easy to remove without any problems. What is important is that the surfaces are only cleaned with a soft, moist cloth. Under no circumstances must abrasive agents/powders, steel wool, polish, washing powder, furniture cleaner, bleach, acidic cleaning agents or steam cleaning equipment be used.

The reason for these precautions is that abrasive cleaners, rough cloths or scouring pads will cause bright patches or highlights in the surface if applied too vigorously, which damage the surface and are impossible to remove. Remnants of fat should also be removed as quickly as possible (within 48 hours) as the surface may be damaged if they are allowed to remain in contact with it for too long.

Maintenance guide

for acoustic ceilings, baffles and wall absorbers



Maintenance guide

Ecophon acoustic ceilings and wall absorbers

Demounting and installation

Clean cotton gloves must always be used when handling ceiling panels and wall absorbers. This applies to handling panels both during installation and maintenance, e.g. installation of light fittings and servicing of ventilation systems.

When demounting, the panels should be completely removed from the grid and stored on a level surface, laid face to face. This prevents soiling and damage to the panels during the work.

Cleaning

Prevention of soiling and regular cleaning is the basis for a long life, while retaining the appearance and properties of the ceiling.

Prevention of soiling

A great deal of soiling in the ceiling takes place through the ventilation system, and deposits of dirt commonly occur round air supply vents. Regular maintenance of the ventilation system is therefore an important consideration in minimising soiling.

Clean cotton gloves should always be used when handling panels.

Pressure differences between the room and the ceiling void should be avoided to ensure that the suspended ceiling does not act as a filter on which particles of dirt and dust can be deposited. The ventilation system should be regulated so that the ceiling void is not under negative pressure relative to the room, so creating an equilibrium. An alternative way of avoiding pressure differences is to fit open grilles, perforated shadow-line trims and open light fittings.

Cleaning methods and instructions

When wet cleaning, it is important to know if the system is suitable. If there is any doubt, please contact Ecophon. Alternatively, a test can be carried out on an individual panel or test piece.

Note that after washing, the surface may seem rather darker until it has dried out.



Dusting and vacuum cleaning

Dusting should be carried out with a dry, soft (microfiber) cloth, a soft brush or similar.

Vacuum cleaning should be carried out with reduced suction with a soft brush as used on textiles and curtains.



Wet wiping

Wet wiping should be carried out with a soft sponge or (microfiber) cloth saturated with water or a detergent of the same concentration recommended for use on indoor painted surfaces.

Use circular movements with moderate pressure during wiping of the surface.



Wet cleaning (Low pressure)

Wet cleaning is a three step process. Apply the cleaning foam or gel on the surface to dissolve the dirt. Rinse the surface with water, and wipe it dry with a clean, well wrung-out (microfiber) cloth or sponge so that any dirt released into the rinsing water does not dry and leave stains. Some cleaning agents are quite corrosive - choose a suitable cleaning agent for the system based on the corrosion class.



High pressure washing

High pressure washing uses only water at varying temperatures and pressures.

The recommended working pressure is 2-4 MPa (20-40 bar). Working pressures of up to 8 MPa can be used, provided that the scattering angle is at least 30° and the distance between the nozzle and the surface is at least 300 mm. Most effective rinsing is achieved by holding the nozzle at an angle of about 45° to the surface.



Disinfection

Disinfection is used to kill micro-organisms with common types of chemicals such as ethanol, isopropanol and sodium hypochlorite. Apply the disinfecting chemical by spray or a damp (microfibre) cloth.



Steam cleaning

Steam cleaning uses steam to dissolve stains and kill microorganisms. The steam can be produced at different pressures which creates higher or lower water content of the steam. The steam should be applied through a nozzle together with a microfiber cloth or a soft rubber scraper. Use circular movements with moderate pressure during cleaning.

Loading of panels

The basic rule is that panels should not be loaded. Light fittings, ventilation outlets etc. located in the suspended ceiling must transfer their load to the grid or be attached directly to the structure above.

Format (mm)	Thickness (mm)	Max hole size (Ø mm)	Max load (grams)
600x600, 1200x600	15	100	300
600x600, 1200x600	≥20	100	500
1200x1200, XL-formats	15-20	-	-

Ecophon panels can, however, bear small loads e.g. halogen spotlights.

Loading of Connect grid

The table below each installation diagram shows the maximum service load, live loads, on the suspended ceiling, i.e. additional loads such as light fittings, signs, etc. placed on the grid at a minimum spacing of at least 1 meter.

For additional information regarding integration of loads see Connect Bridging at www.ecophon.com/solutions/connect-grids.

Painting

Ceiling panels cannot be painted without changing their fire and acoustic properties. They should therefore not be repainted without analysing the consequences.

The grid can be painted with a suitable paint/lacquer for steel.

Scrapping and recycling

Most of the ceiling panels are recyclable. Damaged ceiling panels that are taken to landfill are regarded as a non-hazardous waste.

The grid and the accessories are recyclable, as scrap metal.

For more information, please contact Ecophon.



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