

# Polaris Compact

## Super matt

Inspired by the latest European trend for minimalist kitchen design, the Polaris Compact was designed to provide an elegant and modern slimline finish. The super matt surface is soft and velvety to the touch, offers excellent hygienic properties making it safe for food preparation, has great anti-fingerprint properties as well offering high scratch and heat resistance.

The solid full-colour core provides a seamless matt finish and eliminates the need for edge banding.

Compatible with the Expando T system from Blum, allowing entire kitchens to be equipped with thin fronts.

### **MORE BENEFITS:**

- High resistance to water and steam, making it suitable for wet areas
- Reaction to Fire: C-s1-d) according to EN 13501-11:2007+A12009 (Group Number 2-S according to NZBC Clause C3.4(a) using ISO 9705:1993
- Easy to clean and maintain
- Oversized sheets

### **DIMENSION**

3050 x 1300 x 12mm. Available in White, Graphite, Black

### **SCOPE OF USE**

High-end joinery and furniture. Kitchen benchtops and cabinetry.

### **LIMITATIONS**

For interior use only.

## FOOD SAFETY

Verification tests according to ISO 22196 / JIS Z 2801 conducted by an accredited laboratory to measure the antibacterial performance, demonstrate that the bacterial load is reduced by 99.9% after 24 hours.

The structure with its high degree of cross-linking makes its surface compact and non-porous. This characteristic doesn't allow bacterial, fungal and / or micro-organisms colonies to penetrate and proliferate.

## EDGE FINISHING:

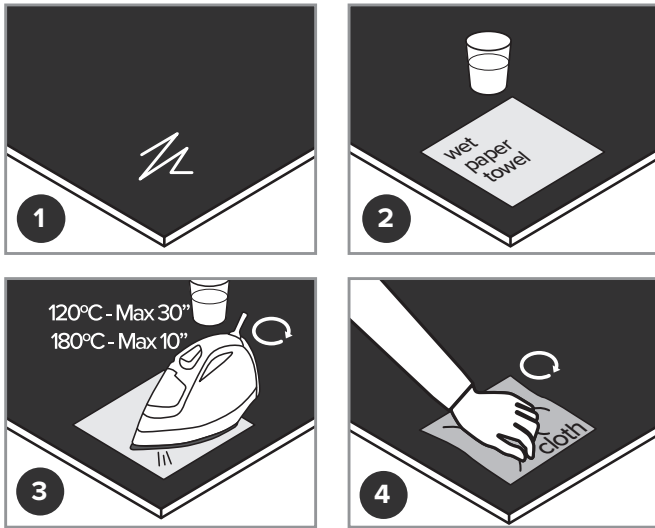
As a general rule no edge protection is needed. However, in the case of exposed edges the following operations should be performed to improve the appearance and the structure of the edges: • chamfering and finishing with extra-fine abrasive paper; • polishing with application by cloth of an oily product such as liquid vaseline.

## MACHINING:

This is necessary when the factory finish is not acceptable for final application or when rounded corners are required. Portable cutters are not generally recommended due to the hardness of the material. These should only be used for minor adjustments on site. The use of tungsten carbide tools with a rotation speed of between 6,000 and 20,000 revolutions per minute is recommended.

## CLEANING AND MAINTENANCE

Just use a damp cloth with warm water or mild detergents. When needed, it is suggested to use a melamine (magic) sponge for cleaning the surface. In case of micro scratches, please refer to the specific surface thermal healing instructions.



## CUTTING:

The cutting pattern must take into account the fibre direction of the whole panel in order to control dimensional variations. On site cutting adjustments are possible with the use of circular saws with tungsten carbide teeth (widia).

## DRILLING:

Drilling can be carried out using ordinary portable or fixed drills. Recommended speed is approx 1,000 revolutions per minute; ordinary bits for steel can be used to drill 4 to 6 mm holes.

In the case of through holes, the descent speed should be reduced so as to avoid splintering on the exit side; it is always preferable to rest on a sacrificial panel of wood or chipboard.

## HANDLING AND STORAGE

Panels can be affected by changes in ambient weather conditions, causing previously flat sheets to bow or twist. All precautions are taken to minimise this effect, however once the plywood has left our warehouse we cannot guarantee sheets to remain flat.

Avoid leaning sheets against walls. Store sheets where construction traffic and construction activity will not damage sheets. Keep the surface free of contaminants such as dust, oil and adhesives that will affect the surface finishes.

The storage area should be protected from sun, rain and wind to minimise rapid changes in temperature and humidity. Treat sheets as a finished product and avoid dragging sheets across other surfaces.

Panels are always to be handled by two people.

## GENERAL PRECAUTIONS:

Polaris must never be treated with products containing abrasive substances, such as sandpaper or steel wool. Products with high acid or very alkaline content should be avoided. Avoid polishes and wax based cleaners, because they tend to form a sticky layer to which the dirt adheres.

## THERMAL HEALING INSTRUCTIONS

1. Superficial defects caused by micro-scratches
2. Place a dampened kitchen roll sheet on the area where the micro-scratches can be seen
3. Position the heated iron onto the surface that needs to be repaired. Do not leave the iron on the part of the surface for more than 10 seconds
4. Rinse the area with lukewarm water and microfiber cloth

The surface should now be healed.

For further information contact us on **0800 900 905**

## PLYTECH SHOWROOM

26 Business Parade North, PO Box 204-070, Highbrook, Auckland 2161, New Zealand  
Phone: 09 573 5016, Fax: 09 573 5035

[sales@plytech.co.nz](mailto:sales@plytech.co.nz)