

TECHNICAL DATA SHEET

Kinon MDF Composite

For more information visit: www.kinon.com

PRODUCT DESCRIPTION

Kinon® is a proprietary hand cast resin with various applied decorative effects. Kinon® material is cast in several different layering processes directly onto a flat MDF surface. As it cures, the material forms a solid structural bond with the MDF, producing a stable composite material.

RECOMMENDED APPLICATIONS

Kinon® is a tough, chemically resistant material and is therefore ideal for various interior furnishing and decorative applications such as wall paneling, doors (both cabinetry and interior), kitchens, retail fixtures and furniture to include cabinetry, tables etc. It is widely specified for residential, retail, hospitality and other commercial projects.

PRODUCT AVAILABILITY

Kinon® offers a variety of product sizes, which are listed on our website www.kinon.com under **Product Sizes**. The maximum size we offer is 5' x 12'. The typical thickness of our MDF sheets are 1/2" or 3/4". To make the material flexible for applications on curved surfaces we offer planed down material at 1/4" or 1/8" thickness (1/8" for maximum flexibility). This material is referred to as **Planed Down Board** or **PDB** on our website www.kinon.com in the sections **Sheet Sizes** or **Pricing**.

FABRICATION

Recommended detailed fabrication drawings for wall paneling, table tops, curved applications, cabinetry doors and entry doors are located on our website www.kinon.com as downloadable pdf files under **Drawings**. AutoCAD files are available upon request.

When fabricating with Kinon®, the following standard woodworking tools are acceptable; table saws, hand held routers, and cnc routers. All of these tools should have laminate grade blades or router bits when cutting. Fabrication direction and advice on how to work with Kinon® may be found in more detail on our website www.kinon.com under the section **Fabrication**.

For details on how to apply edging material, refer to our website www.kinon.com under **Fabrication**.

Be sure to contact us if you have any queries about how to fabricate Kinon® in your specific project. Contact Kinon® on Tel: +1 908.558.0011 or e-mail sales@kinon.com.

SANDING AND POLISHING

You must sand and polish Kinon® to produce a high gloss finish after applying edging material. Sanding and polishing is also used to remove scratches, cigarette burns and to improve sheen. Light scratches may be removed with just polishing alone. After polishing, follow the steps on the cleaning and finishing.

SANDING

Use a random orbital sander with 1000 grit paper, then 1200 grit paper in preparation for polishing.

POLISHING

We recommend the use of two polishing compounds used in the following order: 3M Extra Cut then 3M Machine Glaze. Always use two separate polishing bonnets with each compound.

Sanding and Polishing details can be found on our website www.kinon.com under the section **Fabrication** – Sanding and Polishing .

CLEANING AND FINISHING

For daily care you may use standard non-aggregate containing household glass cleaners, however, to obtain a beautiful streak free finish use our recommended "Meguiars Final Touch" daily. Cleaning and maintenance of Kinon can be found on our web-site www.kinon.com under the section **Fabrication** – Cleaning and Finishing.

CHEMICAL RESISTANCE

All Kinon® products are flame-retardant, abrasion resistant, and routinely tested to meet industry standards.

All of our testing is done through independent laboratories to meet state, national and various international requirements. Chemical, Fire, Stain, Physical and Abrasion test data can be viewed on our website www.kinon.com under **Test Results**. Information on the ASTM-E84 and LEED Points for the MDF products that Kinon forms a composite with, may be found at the following websites:

Flakeboard Canada www.flakeboard.com

Sierra Pine www.sierrapine.com

- Premier MR MDF
- Premier FR MDF
- Medite FR SDF
- Medex SDF

HOW TO SPECIFY

The order must include a specification sheet which clearly states both **pattern** and **color** numbers of each product being ordered. The reference numbers required are on the reverse of every sample.

PATTERN NUMBER

This is a 3 digit number eg: 013.

COLOR NUMBER

This is a four digit number preceded by the letter 'X' eg: X0402.

Depending on the pattern and technique, there are sometimes other reference codes on the sample which must also be included in your specification which may indicate an additional layer eg: **LN, LNPS, KCD**, or **SP**.

The specification sheet must also detail the **application** of the product being ordered, eg: wall paneling, tables, cabinetry, cabinetry doors, entry doors, floor, etc. This must be accompanied by any relevant dimensions and detailed drawings for those items. These drawings are to adhere to those located on the Kinon website www.kinon.com under the **Drawings** section.

All orders must be accompanied by an approved, signed sample of each Kinon® product being specified. The signature must be by the specifying designer from the specifying design company which needs to be sent to the Kinon® manufacturing facility at: Kinon, 1227 Central Avenue, Hillside, NJ. 07205 U.S.A

QUALITY ASSURANCE AND WARRANTY INFORMATION

Our Kinon® products have been sold worldwide for over ten years. All of our testing provided is through independent laboratories to meet state, national and various international requirements. These test results may be found on our website www.kinon.com under **Test Results**.

All Kinon® products are hand cast and self leveling. Therefore all panels will contain undulations and irregularities in the surface, and can display multiple shades throughout a sheet. All products have a natural porous quality just like those which are present in natural stone, marbles and various decorative woods. These pores, although visible to the eye, will not compromise the bond with the MDF substrate beneath. The natural, hand made nature of the product ensures that no two sheets will be exactly alike.

Kinon® warrants any product it has manufactured and sold against defects in materials for a period of 1 year from the date of original purchase. This warranty is not intended and does not cover damage or failure caused by: misuse, abuse or accidents, exposure to extreme temperature, improper installation, improper maintenance and exposure to water or excessive humidity.

INSTALLATION

Installer qualifications: The fabricator must demonstrate successful experience installing architectural woodwork, wall paneling or cabinet making depending on the nature of the project.

As our material is pre-finished, the installer is responsible for any and touch up. The installer must review our touch up processes in the **Fabrication** section of our website www.kinon.com.

We do maintain a list of certified Kinon® fabricators and installers. To obtain the most current list, contact Kinon® on Tel: +1 908.558.0011 or e-mail sales@kinon.com.

DELIVERY, STORAGE AND HANDLING

Do not have the material delivered until painting, wet work, grinding, and similar operations that could damage, soil, or deteriorate material have been completed in installation.

If material is stored prior to installation, store it flat with like by like panel sizes using the protection felt in between provided by Kinon®.

If the material is stored with various different sized pieces, it should be stored on its side with the MDF edge touching a cardboard surface with felt in between. Felt shall always cover the entire surface between panels and shall be one continuous piece of felt as provided by Kinon®. Should a smaller piece of Kinon® material be stored along side a larger sized piece, it should be leaning on the concealed side of the material. Again, cardboard must be used beneath the edge of the entire bottom surface, and the felt provided in the initial delivery should be used. Should the felt be soiled, additional felt may be purchased from Kinon® on Tel: +1 908.558.0011 located at: 1227 Central Avenue, Hillside, NJ. 07205 U.S.A.

The storage area should not exceed the temperature of 80 degrees F.

PROJECT CONDITIONS

Do not deliver or install material until the building is enclosed, wet work is complete and HVAC system is operating and so it will maintain temperature and relative humidity at occupancy levels during the remainder of the construction period.

Do not install until normal lighting conditions exist. Normal lighting conditions are described as those in place when the project is finished

Walls, ceilings, floors and openings must be level, plumb, straight, in line and square before installation.

Do not expose materials in continuous direct sunlight, nor in extremes in temperature and humidity. Material shall be conditioned in the environment in which it will be installed for a minimum of 72 hours prior to installation. The recommended environment is 75 degrees F (24 degrees C) and 45% relative humidity.

Do not install materials until conditions have been maintained and stabilized so that material is plus or minus 1.0 % of optimum moisture content from date of installation through the remainder of construction period.

RECOMMENDED MANUFACTURERS

Acceptable Manufacturers:

Kinon by RMA Inc.; 1227 Central Ave. Hillside NJ 07205.
Tel:(908) 558 0011. Fax:(908) 558 0011.

E-mail: sales@kinon.com
website: www.kinon.com.

General Manager: Richard Satz
E-mail: richsatz@kinon.com
Cell-phone:(201) 618 4623

Sales Manager: Michael Wiener
E-mail: mew@kinon.com
Cell-phone:(760) 822 1312.

SUBSTITUTIONS

Not permitted.

INSTALLATION

Do not begin installation until materials have been properly prepared as per Kinon fabrication drawings located in the **Drawings** section of the Kinon website www.kinon.com.

Install and fabricate within Kinon manufacturing recommendations found on our website www.kinon.com under **Fabrication**, accompanied by AWI standards.

Protect installed products until completion of project. Touch-up, repair or replace damaged products before project completion.