# MADD <br> Series 

by


AIR

A plan for arranging elements in such a way as best to accomplish a particular purpose. Design is also the creation of an experience. It's also the process of the said creation and how well it's organized.

## WINDOW

## ARCHITECTURE

## *

FIRE



LOIRA BEIGE


LOIRA BEIGE



LOIRA BIANCD

LOIRA BIANCD



LOIRA BROWN


LDIRA BRDWN



## LOIRA GREV




## LOIRA GRIS




## LOIRA NERD




LOIRA TAUDE


## Technical Specification

| CHARACTERISTICS | STANDARD AS PER <br> ISO-13006/En14411 GROUP | VALUES | TEST METHOD |
| :---: | :---: | :---: | :---: |

REGULATORY PROPERTIES

| Deviation in Lenth \& Width | 0.50\% | 0.20\% | ISO-10545-2 |
| :---: | :---: | :---: | :---: |
| Deviation in Thickness | 0.50\% | 0.50\% | ISO-10545-2 |
| Straightness of Sides | 0.50\% | 0.20\% | ISO-10545-2 |
| Rectangularity | 0.50\% | 0.20\% | ISO -10545-2 |
| Surface Flatness | 0.50\% | 0.20\% | ISO-10545-2 |
| Color Difference | Unaltered | No Change | ISO-10545-16 |
| Glossiness | As per Mfg. | >90\% | Glossmeter |
| STRUCTURAL PROPERTIES |  |  |  |
| Water Absorption | <0.05\% | <0.05\% | ISO-10545-3 |
| Apparent Density | $>2.00 \mathrm{~g} / \mathrm{cc}$ | $>2.10 \mathrm{~g} / \mathrm{cc}$ | DIN 51082 |
| MASSIVE MECHANICAL PROPERTIES |  |  |  |
| Modulus of Repture | Min 35N/MM2 | Min 40N/MM2 | ISO - 10545-4 |
| Breaking Strength | Min. 1300 N | Min. 2000 N | ISO-10545-4 |
| Impact Resistance | As per Mfg. | Min. 0.55 | ISO-10545-5 |
| SURFACE MECHANICAL PROPERTIES |  |  |  |
| Surface Abrasion Resistance | As per Mfg. | Min. class 3 | ISO-10545-7 |
| Moh's Hardness | As per Mfg. | Min. class 4 | EN 101 |

THERMO HYGROMETRIC PROPERTIES

| Frost Resistance | No Damage | No Damage | ISO - 10545-12 |
| :---: | :---: | :---: | :---: |
| Thermal Shock Resistance | No Damage | No Damage | ISO - 10545-09 |
| Moisture Expansion | Nil | Nil | ISO-10545-10 |
| Thermal Expansion | Max 9.0x10-6 | Max 6.5x10-6 | ISO-10545-08 |
| Crazing Resistance | As per Mfg. | Min 10 Cycle | ISO - 10545-11 |
| CHEMICAL PROPERTIES |  |  |  |
| Chemical Resistance | No Damage | No Damage | ISO - 10545-13 |
| Stain Resistance | Resistant | Resistant | ISO-10545-14 |
| SAFETY PROPERTIES |  |  |  |
| Slip Resistance | As per Mfg. | >0.40 | ISO-10545-17 |
| Fire Resistance | As per Mfg. | Fire Proof | N.A. |

## Packing Detail

| SIZE (in mm) | THICKNESS APPROX |  | PIECES / PER BOX | COVERAGE AREA IN SQ. FT |
| :---: | :---: | :---: | :---: | :---: | BOX WEIGHT (APPROX.)

## BOFFO

## - ADORABLE SURFACES -

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