matting / athletics / flooring

## FORMATIVE CLIC GENERAL INFORMATION AND TECHNICAL DATA

## GENERAL INFORMATION

Formative Clic flooring is the newest generation of high-quality resilient flooring. It is a modular, click-together commercial floor covering with a unique interlocking edge design that allows for easy installation.

This product must be used for interior applications only and be installed by professional installers that have sufficient professional liability insurance coverage (aka Errors and Omissions Insurance) for the project. Caution should be used in the moving and lifting. Allow for appropriate equipment and manpower to safely move materials. Work safe and always follow the relevant safety procedures.

Edgewood Matting Ltd.. recommends installing and maintaining entrance matting at all outdoor entrances; this will improve air quality, reduce maintenance costs, and lengthen the life of your floors.

Proper glides must be used on all furniture that may slide directly across the floor, consult the furniture manufacturer for recommendations for use on resilient flooring. Heavy objects must not be moved directly across the floor; use protective boards.

Direct sunlight can cause UV damage (fading or bleaching) to most interior finishes, so Low E glass should be selected that will reduce the UV transmission to less than 1%. If not, applying 3M™ protection film (or similar) on the windows is recommended.

Do not install any material that has visible defects or damage. A contractor that installs any material that has visible defects or damage assumes responsibility for the damaged material.

All Safety Data Sheets (SDS) and Installation, Maintenance and Warranty requirements must be read, understood and followed.

These instructions supersede any verbal or written instructions from Edgewood Matting Ltd. representatives, and must be followed in order for the limited warranty to be in effect.

## TECHNICAL DATA

| | |
|---|---|
| Plank size | 7 inch x ~47.638 inch |
| Roll size | 10 planks per case, ~23.3 square feet per case. |
| Thickness | 6.5 mm |
| Weight | 2.0 pounds per square foot; 47.6 pounds per carton |
| Edge format | Microbevel pressed edge |
| Interlocking edge | Uniclic angle edge on long edges & I4F drop-in click on short ends |
| Wear layer | 20 mil wear layer |
| Composition | Heterogeneous |
| Backing | 1.5 mm IXPE backing |
| Limited warranty | 10 year commercial |

| **Performance** | **Test Method** | **Requirement** | **Result** |
|---|---|---|---|
| Heat Stability | ASTM F1514 | <8.0 Δ E | Pass |
| Light Stability | ASTM F1515 | <8.0 Δ E | Pass |
| Residual Indentation | ASTM 970 | Static Load Limit 0.004” | Pass |
| Squareness | ASTM F2421 | | Pass |
| Dimensional Stability | ASTM F2199 | ≤0.20 in/linear ft. | Pass |
| Flame Spread | ASTM E648 | ≥ 0.45 w/cm² | Pass, Class 1 |
| Coefficient of Friction | ASTM D2047 | | Wet 0.5 / Dry 0.6 |
| Smoke Density | ASTM E662 | ≤450 | Pass |
| Impact Sound Reduction | ASTM E492-09 with ceiling | Δ IIC ≥ 11 | IIC 61 |



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## CONDITIONS STORAGE AND ACCLIMATION

**Concrete Moisture Limits**
Moisture testing must follow the protocol of ASTM F2170, (ASTM 1869 may be conducted as well, but only as a secondary indicator). Test results must not exceed the published limits below.

It may not be the flooring contractors' responsibility to conduct moisture testing. It is, however, the flooring contractors' responsibility to make sure these tests have been conducted and that the results are acceptable prior to installation. Testing should be performed by an International Concrete Repair Institute (ICRI) certified technician; please visit http://www.icri.org.

All on or below grade concrete subfloors must also have a confirmed effective vapor retarder pre-installed underneath that meets the requirements of ASTM 1745. If not, then use a moisture mitigation system that conforms to ASTM F3010. This system must be applied following the manufacturers' written instructions.

This product is not suitable for use in areas that are permanently wet. Test the surface for porosity according to ASTM F3191. The water droplet must be absorbed within five minutes to be considered porous. If porous, no further action is required regarding moisture. If the subfloor is non-porous concrete, then install a vapor retarder (≥ 6 mil thick) on the surface prior to installing the floor.

**Concrete Subfloors**
New and existing concrete subfloors should meet the guidelines of the latest edition of ACI 302 and ASTM F710. Floors must be smooth, permanently dry, clean and free of all foreign material such as dust, wax, solvents, paint, grease, oils and adhesive residue. The surface must be hard, dense and free from powder or flaking. New concrete slabs must be dry. Maximum moisture level per ASTM 1869 (CaCl test method) is 8 lbs. Maximum level for ASTM2170 (In-situ Relative Humidity test method) is 85%. Do not install over concrete with a history of hydrostatic conditions. The pH level of concrete should be between 7- 10.

The final responsibility for determining if the concrete is dry enough for install of the flooring lies with the floor covering installer.

**Wood Subfloors**
Do not install material over wood subfloors that lay directly on concrete, or over dimensional wood lumber, or plywood used over concrete.

All other subfloors such as plywood, OSB, particleboard, chipboard, wafer board, etc. must be structurally sound and must be installed following their manufacturer's recommendations. Local building codes may only establish minimum requirements of the flooring system and may not provide adequate rigidity and support for proper installation and performance. Refer to ASTM F1482 for wood panel underlayment recommendations.

**Storage & Acclimation**
The boxes of Formative Clic must be stored flat and neat (without overhanging). If appropriate, they can be left on the transport pallet. Never store outdoors in shipping containers.