NRG Factor

At Ecore, the way we process and manufacture our flooring is what separates us from everyone else. During our production process we drive energy into our flooring by processing our vulcanized composition rubber (VCR) in pressurized cylinders to develop and capture energy (NRG Factor). The NRG Factor returns positive energy to the user and reduces impact and fatigue stress. Our flooring solutions are designed to balance energy restitution and force reduction to optimize desired performance attributes.

### Composition Rubber
A manufactured material comprised of recycled and/or virgin synthetic rubber previously vulcanized. The composition is pressurized and peeled to desired thickness.

### Calendered Rubber
Is processed by passing rubber through a series of rollers to flatten, smooth and/or commingle two or more materials rolled into sheet or cut into tiles.

### Ergonomics
The mechanics of how the human body reacts to surrounding physical conditions.

### Force Reduction
How much energy a surface absorbs.

### Energy Restitution
How much energy a surface returns.

### Engineered Performance Surface
A heterogeneous floor consisting of a top layer fusion-bonded to vulcanized composition rubber base layer, created to achieve specific performance characteristics.

### Dual Durometer
Is a product where two layers with different physical properties are fused together. The most common purpose is to combine a rigid material, for strength, with a soft or more flexible material, for function, into various one-piece profiles.

### Impact Stress
Is the negative structural effect when a body in motion strikes a hard surface.

### Fatigue Stress
The work a body in motion must produce to overcome the lack of energy return from a soft surface.

### Performance Surface
A surface that provides appropriate energy restitution and force reduction in addition to providing support, preventing fatigue and injury and promoting good mobility.

---

coreathletic.com  866.795.2732
core  Athletic
Can a floor make people’s lives better?

Yes.

A floor can be more than just a passive surface. By harnessing the attributes of recycled rubber, we’ve designed innovative ways to give you tailored surfaces that make lives better, while also protecting the planet.

Bringing these attributes together in expert proportions, we’ve created tailored surfaces that make lives better, while also protecting the planet.

This is Ecore’s definition of SUSTAINABILITY.

Can a floor can make people’s lives better in their environment, while simultaneously benefiting the natural environment?

Yes.