Amdeck Eco is a modular, stay in place formwork manufactured using Type II/Type 2, closed cell Expanded Polystyrene (EPS). It allows for the construction of one-way, reinforced concrete slabs ideal for low rise residential and small buildings applications.

Amdeck Eco has integrated slots for dimensional lumber wood joists to support temporary construction loads, utilizing an appropriate shoring system.

It can be used in a horizontal (or sloped) configuration for floors and roofs. It is perfectly suited for use with ICF walls or independently with other structural systems.

Note:
Site specific design engineering and shoring required.
**Amvic Advantage**

Modular System

Amdeck Eco comes in standardized, lightweight 8’ (2.4m) sections. The sections are joined on-site to construct the floor or roof in an easy and fast manner. Amdeck Eco sections can also easily cut from all directions to fit a specific span, width or curvature making the system extremely flexible.

Structure

One-way concrete slab joists which are formed by Amdeck Eco can span up to 30’ (9.14m) using a combination of reinforcement, welded wire mesh in the slab and rebar in the beams. Slab and shoring requirements are site specific and designed by a licensed engineering professional.

Reduced Costs

Amdeck Eco uses 2x6” (38x140mm) dimensional lumber joists which is commonly available in most regions reducing material costs and installation time. The wood joists are anchored back into the concrete and allow for easy interior finish installation.

**Applications**

- Floors
- Car garage floors
- Flat or sloped roofs
- Green Roofs
- Safe rooms
- First floor in high risk flood areas
- High wind/hurricane areas
- Small buildings and low rise residential
- Terraces and balconies
- Cold cellars

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