About EPD

Environmental assessments or 'Green Labels' legitimately help specifiers make informed decisions on the environmental profiles of construction products. Environmental Product Declarations are the next step.

There are many different green labels to choose from worldwide. This proliferation can make it difficult to make a choice and also get the clearest and most up to date environmental information, confusing the global market. Specifiers are ever more discerning over green claims and want reliable, consistent data. With that in mind, the European working group CEN TC 350 created the new standard EN 15804 Sustainability of Construction Works – Environmental Product Declarations (EPD). With the aim of creating ONE pan European and Worldwide harmonised standard for reporting of environmental performance.

- EPDs communicate verifiable, accurate, non-misleading environmental information for products and their applications, expressed in information modules, which allow easy organisation and expression of data throughout the life cycle of the product.

- The standard provides a way to develop a Type III environmental declaration of construction products and is part of a collection of standards intended to assess the sustainability of construction works. It provides core product category rules (PCR) for the Type III declarations.

- EN 15804 creates harmonisation of schemes such as BREEAM (UK), DGNB (Germany), fDES (France) and Green Tag (Australia).

- Since 2013, EPDs are part of the Construction Products' Regulation (CPR).

- EPDs provide a system that is open to all of Europe without creating barriers to trade.

- Generic and product specific EPDs are available – ERFMI generic profiling is available across all resilient flooring categories.

- The information is reported in the same way across all building products.

EPDs provide completely transparent information about Polyflor products and their impact on the environment.

There are 24 environmental indicators within the assessment process of the EPD, which are broken down into the following categories:

- **7** Environmental Impact Indicators
- **10** Resource Indicators
- **3** Waste Indicators
- **4** Output Flow Indicators

Critically the 7 Environmental Impact Indicators include:

- **GWP –** Global Warming Potential
- **ODP –** Ozone Depletion Potential
- **AP –** Acidification Potential
- **EP –** Eutrophication Potential
- **POCP –** Formation of Potential of Tropospheric Ozone
- **ADP –** Abiotic Depletion Potential of non-fossil fuels
- **ADP –** Abiotic Depletion Potential of fossil resources

Polyflor EPDs

Products can be individually assessed or ERFMI generic profiling is available. In 2012 Polyflor was part of the ERFMI EN 15804 generic data set for the creation of industry EPDs for the following categories:

- EN 10581 PVC Homogeneous
- EN 10582 PVC Heterogeneous (compact)
- EN 651 PVC Heterogeneous (foam backed)
- EN 13845 PVC Safety Flooring
- EN 649 Luxury Vinyl Tiles
- EN 1817 Rubber (smooth)

In addition to the generic EPDs, Polyflor also has product specific EPDs for several LVT product ranges. The datasets used on generic and specific EPDs have been independently verified by Institut Bauen und Umwelt e.V. (IBU) and both generic and product specific EPDs are written to the rules and standards according to EN 15804 and ISO 14025. Polyflor EPDs are listed on systems such as the IBU and DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen e.V. / German Sustainable Building Council) navigator databases.

Using EPDs on BREEAM & LEED assessments

A benefit of specifying a product with an EPD is that extra points can be gained on BREEAM and LEED assessments:

- One bonus 'uplift' point can be awarded for the use of one of our ranges where a product specific BRE environmental profile or 3rd party verified EN 15804 compliant EPD is available.

- Polyflor ranges can contribute to the LEED v4 score through specific environmental product declarations (EPD), which can provide 1 point; or generic EPDs which may contribute 0.5 points.

SAFETY	EN 15804 EPD Specific	EN 15804 EPD Generic
Polysafe Astral PUR		EPD-ERF-2013611-E
Polysafe Mosaic PUR		EPD-ERF-2013611-E
Polysafe Corona PUR		EPD-ERF-2013611-E
Polysafe Vogue Ultra PUR		EPD-ERF-2013611-E
Polysafe Standard PUR		EPD-ERF-2013611-E
Polysafe Wood fx PUR		EPD-ERF-2013211-E
Polysafe Wood fx Acoustix PUR		EPD-ERF-2013311-E
Polysafe Modena PUR		EPD-ERF-2013211-E
Polysafe Arena PUR		EPD-ERF-2013211-E
Polysafe Verona PUR		EPD-ERF-2013611-E
Polysafe Hydro		EPD-ERF-2013611-E
Polysafe Hydro Evolve		EPD-ERF-2013611-E
Polysafe Ultima		EPD-ERF-2013611-E
Polysafe Apex		EPD-ERF-2013611-E
Polysafe Ecomax		EPD-ERF-2013611-E
Expona Control PUR		EPD-ERF-2013511-E
HOMOGENEOUS		
Pearlazzo PUR		EPD-ERF-2013111-E
2000 PUR		EPD-ERF-2013111-E
Classic Mystique PUR		EPD-ERF-2013111-E
Mystique PUR		EPD-ERF-2013111-E
Prestige PUR		EPD-ERF-2013111-E
Standard XL		EPD-ERF-2013111-E
XL PU		EPD-ERF-2013111-E
Polyflex Plus PU		EPD-ERF-2013111-E
HETEROGENEOUS		
Harmony fx PUR		EPD-ERF-2013211-E
Forest fx PUR		EPD-ERF-2013211-E
Acoustix Harmony fx PUR		EPD-ERF-2013311-E
Acoustix Forest fx PUR		EPD-ERF-2013311-E
Acoustix Gallery fx PUR		EPD-ERF-2013311-E
Expona Flow		EPD-ERF-2013211-E
LVS		
Secura		EPD-ERF-2013411-E
Designatex		EPD-ERF-2013411-E
LVT		
Expona SimpLay	EPD-JHA-20140178-ICA1-EN	
Expona Design PUR	EPD-JHP-2013111-E	
Expona Commercial PUR	EPD-JHP-2013211-E	
Bevel Line PUR		EPD-ERF-2013511-E
Camaro PUR		EPD-ERF-2013511-E
Camaro Loc PU		EPD-ERF-2013511-E
Colonia PUR		EPD-ERF-2013511-E
Affinity2^{55}		EPD-ERF-2013511-E
RUBBER		
Diamant		EPD-ERF-2013711-E

To view EPDs, please go to www.polyflor.com/sustainability or www.bau-umwelt.de.