



TECHNICAL DATA SHEET

E4E - Glass

(E4E-Glass - Transparent and Bright Waterproofing)

Product Description

E4E- Glass is a two component product which adheres excellently to surfaces like glass, mosaic, tile, porcelain, ceramic, marble, granite, natural stone, wood, concrete, screed, galvanized sheet, aluminum and much more. It is highly resistant to atmospheric conditions and can be used for waterproofing as well as decorative purposes. It is not affected by UV and outdoor weather conditions. It protects surfaces from yellowing, fading or peeling. It is also used as an easy solution to insulation problems on floors in areas such as balconies, terraces and bathrooms without damaging the existing coating. It also helps to prevent dusting on absorbent surfaces.

Usage Areas

- Glass, glass brick, mosaic, mosaic tile,
- Tiles, ceramics, marble, granite, natural stone, porcelain surfaces
- In press bricks,
- On wooden surfaces,
- Balcony, terrace, bathroom, kitchen, stone-covered exterior.

Technical Specifications

Density A comp. (25°C, g/mL)	: 0,90 ± 0,10
Density B comp. (25°C, g/mL)	: 0,95 ± 0,10
pH (25°C)	: Not applicable (N/A)
Viscosity B comp. (25°C, mPa.s)	: 0 - 500
Solid content B comp. (% Weight)	: Not applicable (N/A)
Water transmission rate (kg/ m ² . h ^{0,5})	: < 0,1 CLASS W ₃
Adhesion strength by pull-off test (N/mm ²)	: Rigid system without trafficking ≥ 1.0 N/mm ²
Permeability to water vapour (m)	: 5 ≤ S _D ≤ 50 CLASS II
Touch-free Drying	: 1 - 2 hours
Through-dry time	: 7 days
Pot life (23°C)	: 50 – 60 minutes
Solvent	: Organic solvent
Class of fire reaction	: Bfl S1
Color	: Transparent
Ratio	: 8.56:1



Application Procedure

Surface preparation: The relative humidity of the air should be maximum 80%, the ambient temperature should be 15 - 35 ° C and the surface temperature to be applied should be at least 5 ° C. It should not be applied in rainy weather. For good adhesion, surface cleaning should be done very well. Any kind of oil, dust, dirt, rust and similar substances on the surfaces to be applied between the liquid glass and the floor which may prevent the liquid glass from sticking to the surface should be completely cleaned. In tile, ceramic applications, if existing joint fillings were worn away, they should be renewed. The sanded surface provides better mechanical properties for liquid glass application and helps to better adhesion of the liquid glass to the surface.

Application method: Before application, the two components must be mixed thoroughly and at the given ratios. The two components can react only when the mixture is uniform and complete. The number of floors to be applied for the best performance is indicated in the table below.

Application Conditions / Limitations

<u>Application</u>	: In the same direction as the first layer
<u>Surface humidity</u>	: Dry surface
<u>Primer usage</u>	: X
<u>Primer consumption</u>	: X
<u>Product usage</u>	: For concrete, raw wood, etc. surfaces: 2 layers For marble, granite, tile, ceramic, metal/steel surface; 1 layer
<u>Product consumption</u>	: 150 - 200 g/m ² (two layers), 75 - 100 g/m ² (one layer)
<u>Paintable (Coverage) Area</u>	: 20 - 26 m ² /4 kg set, 10 - 13 m ² /2 kg set
<u>Between two coats</u>	: 4 - 24 hours
<u>Recommended application tools</u>	: Roller (synthetic epoxy), brush, suitable spray
<u>Application temperature (°C)</u>	: 5 - 35 °C

Things to consider during and after the application: The application surface must be clean and free from all impurities like dirt, oil, and mud. The joint fillings should be renewed if current ones abraded in ceramic, tiles applications.

Other ISONEM products recommended: -

IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. B component should be used immediately after opening. It is not appropriate to re-use an opened packaging that took ar.

Packaging & Storage

<u>Packaging</u>	: Component A: 137oz Component B: 16oz
<u>Storage temperature (°C)</u>	: 5 - 35 °C
<u>Shelf life</u>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<u>Storage condition</u>	: Store tightly closed in a dry and cool place away from heat and fire.




Cleaning of Tools

Clean all tools and application equipment with cellulosic thinner immediately after use.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

 2765		
MANUFACTURER: Polypro Industry 2700 Cumberland street building 5 CITY, STATE, ZIP: Lebanon PA, 17042 INFORMATION PHONE: 717-454-6556		
2765-CPR-0135 TS EN 1504-2: Surface protection systems for concrete - Coating (LIQUID GLASS) DoP No: 17		
	STANDARD VALUE	CONTROL VALUE
Permeability to water vapour	Class I $S_D < 5$ m <i>(permeable to water vapour)</i> Class II $5 \text{ m} \leq S_D \leq 50$ m Class III $S_D > 50$ m <i>(not permeable to water)</i>	Class II - 40 m
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$	$0,05 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Adhesion strength by pull-off test	Without trafficking $\geq 1,0 \text{ N/mm}^2$ With trafficking	Rigid system without trafficking
Dangero		
Cla		