

**A curing and priming preparation based on water acrylic dispersion.**

<b>Product description</b>	Transparent, colorless liquid, penetrates surface of concrete floor, enters into chemical reactions and gradually fills existing pores.
<b>Scope of application</b>	Intended for hardening and sealing both freshly made as exploited concrete floor in warehouses, logistic, distribution and shopping centres, office complexes, food processing plants, slaughterhouses, breweries, chemical plants, parking garages etc.
<b>Properties</b>	<ul style="list-style-type: none"> <li>• increasing of protected concrete surface mechanical properties (abrasion resistance - up to 35% and surface hardness - up to 10%),</li> <li>• sealing of concrete surface (inhibition of deep penetration),</li> <li>• reduction of concrete surface porosity,</li> <li>• improvement of aesthetics (easier to keep floor cleanliness),</li> <li>• reduction of dusting.</li> </ul>
<b>Product features</b>	
<b>Appearance</b>	colorless liquid
<b>Packaging</b>	canisters – 5l, 20 l, barrels - 200 l
<b>Shelf life</b>	Shelf life of the product is 12 months (is listed on the package).
<b>Storage conditions</b>	Store product in a dry places at temperatures between +4 ° C to +38 ° C.
<b>Technical data</b>	
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Emissions of volatile organic compounds (VOCs)</b>	0 g/l
<b>Clarity</b>	Clear
<b>Freezing point</b>	0°C
<b>Flammability</b>	Non-inflammable
<b>Mechanical properties</b>	The average % of improvement in relation to uncoated control samples
	<b>Resistance to abrasion , ASTM D4060</b>
	200 rev. improvement - up to 35 %
	300 rev. improvement – up to 30 %
	<b>Hardening, ASTM C805</b>
	improvement - up to 10 %
<b>Application</b>	
<b>Coverage rate</b>	The product consumption is closely related to concrete porosity and resulting from that its penetration ability as well as weather conditions. Typical yields for new concrete is 3.7 - 6.2 m <sup>2</sup> / l, i.e. wear of 0.16 - 0.27 l/m <sup>2</sup> and old concrete respectively 2.5 - 5m <sup>2</sup> / l, i.e. wear of 0,2 - 0.4 l/m <sup>2</sup> . More porous surfaces will require higher doses of product.
<b>Substrate preparation</b>	<p>Surface should be free from standing water, remnants of old coatings, dust and dirt. DUROXIL should not be used on latex or epoxy polymer modified concrete. Before the product applying, remove old coatings containing wax, resins and sealants using a mechanical or chemical methods. It's recommended to clean treated area using floor cleaner CLINOXIL [volume dilution ratio: 1 (agent) to 5 (water)] and a scrubbing brush machine equipped with a nylon bristles.</p> <p>DUROXIL can be applied to treated surface in next ways:</p> <ul style="list-style-type: none"> <li>- by means of pouring out and spreading,</li> <li>- using mop, coating roller, brush or stiff bristle broom,</li> <li>- using a low pressure sprayer,</li> </ul> <p>Prior to application, secure surrounding field using e.g. polyethylene film.</p>
<b>Applying on concrete surfaces younger than 12 months</b>	<ul style="list-style-type: none"> <li>• uniformly apply the preparation up to saturation point,</li> <li>• entire concrete surface should be wet for at least 30 minutes, in the meantime respray all appearing dry spots,</li> <li>• after 30 minutes, start to spread out possible formulation excess. DUROXIL - during drying process - forms a lubricious gel on the floor surface,</li> <li>• very lightly spray (with water mist) treated surface, to strengthen penetration process,</li> <li>• when floor starts to dry, exactly wash and rinse the whole treated area with water, then vacuum or squeegee off to dry a moisture excess (to prevent any residual staining).</li> </ul>
<b>Applying on concrete surfaces older than 12 months</b>	<ul style="list-style-type: none"> <li>• uniformly apply the preparation up to saturation point,</li> <li>• entire concrete surface should be wet for 45 - 60 minutes,</li> <li>• in the meantime, spread out local excess of fluid, relocating it from lower to higher places using a stiff bristled push broom,</li> <li>• if drying process starts on entire area, apply more preparation to the surface,</li> <li>• after further 45 - 60 minutes - on converting of applied material into a lubricious gel - squeegee its excess,</li> <li>• thoroughly wash and rinse the concrete surface with water, then scrub mechanically with a brush,</li> </ul>
<b>Contraindications</b>	Do not use the product suspected of freezing. Do not apply the product on frozen surfaces,

	covered with puddles of water and dirty. Do not apply DUROXIL on surfaces previously coated with MELAXIL or MELAXIL ECO.
<b>Application conditions</b>	
<b>Ambient temperature</b>	minimum +4 ° C, maximum +38 ° C
<b>Insolation</b>	Do not spray preparation in direct sunlight to avoid its quick drying.
<b>Notes</b>	Check the expiration date marked on the package and read current product documentation, before using of the product. In case of contact with glass, aluminum and steel, immediately wash contaminated spot in order to avoid permanent discoloration of the surface.
<b>Notices and recommendations</b>	
<b>Health and safety conditions</b>	<p>All instructions and warnings placed on labels and product data sheet, should be read and understood before its application.</p> <p>This product is not classified as dangerous for man and environment, therefore when using the product the general rules of occupational health and safety must be complied with and the appropriate personal protective equipment must be used to minimize risks to the health or life of man. If ingested, immediately seek medical attention, and drink large quantities of water or milk and do not induce vomiting.</p> <p>In case of contact with eyes, for about 15 minutes rinse eyes with running water (remove contact lenses previously). The places of contact with skin wash off with soap and water, do not attempt to neutralize with chemical substances.</p> <p>If irritation persists, seek medical assistance.</p> <p>When somebody experiences difficulties in breathing due to inhalation of vapors emitted during application of preparation, this person should be picked up to fresh air immediately and posses possibility for repeated rinsing of mouth and nasal passage (using water). If problem persist, consult your doctor.</p>
<b>Legal notes</b>	<p>This manual has been elaborated according to current state of knowledge and experience of using the product and refers to the product stored according to specified instructions. Product documentation provides general information applicable to some conditions. Before using of the product at a large scale, is recommended to execute of application tests - by purchaser - in real object environmental conditions. Provider has no effect on types of uses, methods of application and conditions for implementation existing on-site. So in respect thereof, product supplier responsibility for final work results, can not derive from this instruction.</p> <p>Date of issue: 01/2016</p> <p>All previously issued Duroxil safety data sheets shall expire on the date of issue of this sheet.</p>