

## **Teknobond 610**

## Epoxy Based, Protective Coating



## **C €** EN 1504-2

<b>Product Description</b>	TEKNOBOND 610 is an epoxy-based paint that can be applied on concrete, metal, wood plaster and gypsum surfaces which's chemical resistance two component coating materia			
Areas of Usage	<ul> <li>Indoors and outdoors,</li> <li>Permanently wet places, in areas where chemical substances are used,</li> <li>Food factories, in laboratories,</li> <li>It is used on materials such as parquet, tile, ceramic, granite ceramic, mosaic, glass mosaic and porcelain,</li> <li>Also suitable for walls, ceilings and floors.</li> <li>Metal and concrete tanks</li> <li>As chemical resistant gas and vapor barrier coating on walls.</li> </ul>			
Features and Benefits	<ul> <li>Solvent Free that can be used indoors and outdoors aera</li> <li>Good chemical and mechanical resistance</li> <li>Water impermeable, Resistant to frost</li> <li>Long service life</li> <li>Hygienic, suitable for cleaning</li> </ul>			
Application Instructions	Surface Quality: Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm <sup>2</sup> ) with a minimum pull off strength of 1.5 N/mm <sup>2</sup> . The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. If in doubt, apply a test area first. Surface Preparation: Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to substrate, filling of blowholes/voids and surface levelling can be carried out using appropriate products from the Tekno Repair materials. The concrete or screed substrate has to be primed or levelled up in order to achieve an even surface. High spots can be removed by e.g. grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. Substrate and Ambient Condition: +10°C min. / +30°C max Temperature < 4% pbw moisture content Relative Air Humidty 80% r.h. max. Be aware of condensation! Mixing: Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment. Mixing Tools: TEKNOBOND 610; must be mechanically mixed using an electric power stirrer (300 - 400 rpm) or other suitable equipment. For the preparation of mortars use a forced action mixer of rotating pan, paddle or trough type. Free fall mixers should not be used. Application Method and Tools: Prior to application, confirm substrate moisture content, relative humidity and dew point. If > 4% pbw moisture content, TEKNOBOND 300 NB, TEKNOBOND AD may be applied as a temporary moisture ba			



	Primer: Rough surfaces need to be levelled first. Therefore use e.g. TEKNOBOND 300 le mortar (see PDS)., On metal surfaces, the surface should be sandblasted or primed with a suitable for metal surfaces such as TEKNOBOND 100, TEKNOBOND 120. Coating: TEKNOBOND 610 as coating can be applied by short-pilled roller (crosswise) Seal coat: Sealer soats can be applied by squeege and then back-rolled (croswise) with a pilled roller. Cleaning of Tools: Clean all tools and application equipment with Tekno Thinner immediatel use. Hardened/cured material can only be mechanically removed			
	Waiting Time: Before applying solvent free pro <u>Substrate Temperature</u> +10°C +20°C +30°C Before applying solvent contain <u>Substrate Temperature</u> +10°C +20°C +30°C Times are approximate and temperature and relative humidi	ducts on TEKNOBOND 3 <u>Minimum</u> 24 hours 12 hours 6 hours ing products on TEKNOB <u>Minimum</u> 30 hours 16 hours 8 hours will be affected by chaity.	00 allow: <u>Maximum</u> 2 days 1 days 16 hours OND 300 allow: <u>Maximum</u> 3 days 2 days 1 days anging ambient conditions partic	cularly
Application Notes / Restrictions	<ul> <li>Do not apply TEKNOBOND 610 on substrates with rising moisture.</li> <li>Do not blind the primer.</li> <li>Freshly applied TEKNOBOND 610 must be protected from damp, condensation and</li> <li>For areas with limited exposure and normally absorbent concrete substrates priming with TEKNOBOND 300 is not necessary for broadcast systems.</li> <li>For roller / textured coatings: Uneven substrates as well as inclusions of dirt cannot and should not be covered by thin sealer coats. Therefore both substrate and adjacent areas must always be prepared and cleaned thoroughly prior to application.</li> <li>The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.</li> <li>For exact colour matching, ensure the TEKNOBOND 610 in each area is applied from the same control batch numbers.</li> <li>Under certain conditions, underfloor heating combined with high point loading, may lead to imprints in the resin.</li> <li>If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO2 and H2O water vapour, which may adversely affect the finish. Fo heating use only electric powered warm air blower systems</li> </ul>		g with should always ie and same ead to e large h. For	

## Curing

Applied product ready for use

Temperature	Foot Traffic (~)	Light Traffic (~)	Full Cure (~)
+10°C	36 hours	5 days	10 days
+20°C	24 hours	3 days	7 days
+30°C	18 hours	2 days	5 days

Note: Times are approximate and will be effected by changing ambient conditions.