

Protar

Solvent Free Epoxy Coal-Tar High Build Coating

Description	Protar is two components, solvent free epoxy / coal tar coating system for protecting concrete and metal structures wherever the durability of epoxy coatings and economy of coal tar are required
Where to use	<ul style="list-style-type: none"> As a waterproofing coating for waste water structures To use on foundations below and above grade, and any structure subjected to aggressive environment Particularly useful in sewage works, effluent plants Docks and marine installations
Advantages	<ul style="list-style-type: none"> High film builds in single application Provides long term corrosion protection Chemical & abrasion resistant No priming necessary in most cases Economic & versatile & easy to apply
Properties	
Color	Black
Solids by volume	100 %
Specific gravity	1.35 (after mixing)
Pot life @ 23 °C	50 – 60 minutes
Temperature Resistance	Up to 150 °C in air & 80 °C in water
Dry to recoat @ 23 °C	Minimum 1 Day Maximum 3 Days
Fully cured	7 Days
Tensile strength	9 N/mm ²
% Elongation	30 %
New poured concrete:	
<ul style="list-style-type: none"> Allow to fully cure 28 days prior to application Remove any curing membrane by sanding or etching with a strong detergent 	
Old concrete:	
<ul style="list-style-type: none"> Thoroughly clean the surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shot blasting, sanding or grinding Proceed as for newly poured concrete 	
Previously coated concrete:	
<ul style="list-style-type: none"> Remove any peeling or degraded paint by sanding or using a paint stripper For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss Treat any areas worn down to the original concrete as bare concrete All damaged areas, cracks and surface irregularities must be repaired and smoothed first by using Kemrepair EP and bonding layer using Kembond EP 	
Steel surface:	
<ul style="list-style-type: none"> The steel surface should be blasted to Sa 2 ½ surface quality to remove rust and mill scale, or any other efficient method and ensure that all traces of rust are removed Please refer to PROKEM technical office for further details on surface preparation and application procedure 	
Expansion Joints	<ul style="list-style-type: none"> Shall be installed in accordance with local building codes Never bridge an expansion, contraction or construction joint

Mixing	<ul style="list-style-type: none"> Stir the contents of pack A to disperse settlement, then add pack B and mix until a uniform consistency is obtained Adjust viscosity by adding Prosolve EP special solvent up to 5%
Application	<ul style="list-style-type: none"> Apply the first coat of Protar with brush to ensure adhesion with the substrate and to obtain a continuous uniform film thickness Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats use airless spray, roller or brush for smaller areas or for touch –up the substrate temperature should be minimum 3 °C above the dew point of the air, measure the temperature and relative humidity in the vicinity of the substrate The temperature of the surface should be min 10 °C as the curing process at lower temperature will be considerably retarded Protar should not be exposed to water, chemicals or mechanical stress before it is fully cured No Primer is required
Cleaning	Tools & equipment's should be cleaned with special solvent immediately after use.
Theoretical coverage	<p>0.26 Kg/m² for 200-micron D.F.T Recommended D.F.T 350 microns 2 coats are recommended depending on application conditions</p>
Packaging	<ul style="list-style-type: none"> Two packs system (A+B): 5 Kg pails 20 Kg pails
Shelf life & Storage	12 months if kept in their original packaging in dry condition
Health and Safety	<ul style="list-style-type: none"> Use goggles, gloves and a breathing mask when applying Apply forced ventilation in confined spaces Remove splashes from skin with hand cleaner or soap and water Eye splashes to be washed with plenty of water If ingested seek medical advice Do not breath or inhale mist When spraying, wear air mask
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range, for our customer's satisfaction</p> <p>PROKEM reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale & delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products</p>