

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	0.26 Kg/m ² for 200-micron D.F.T Recommended D.F.T 350 microns 2 coats are recommended depending on application conditions
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>