

Kemcoat PA

High Gloss, High Strength, UV Resistant, Fast Cure, Chemical Resistant,
 Two Components, Polyaspartic Aliphatic Polyurea Coating

Description	Aliphatic Polyaspartic with 100% solids coating system. It has zero odors, moisture insensitive, low viscosity, quick dry, flexible, UV-resistant, high strength and water, chemical resistant coating. It is suitable for concrete and over existing epoxy coating. It can be applied at low temperature, when fully cured, it will produce a highly abrasion, wear resistant, high gloss and smooth finish over concrete, wood or steel	
Where to use	• Cold storage area • Industrial warehouses • Food processing areas • Pulp and paper mills • Chemical plants • Aircraft hangars and garages • Patios, walkways and driveways • Show rooms, Automobiles dealerships	
Advantages	• Fast cure • Low moisture sensitivity • High tensile strength • High abrasion • Color stable & water clear • Excellent adhesion • No odor and zero - VOC • UV stable • High gloss • High abrasion • Excellent chemical & water resistance • Cures at low temperature	
Properties		
Density	Transparent: 1 ± 0.08 gm/cm ³	Colored: 1.2 ± 0.1 gm/cm ³
Temperature resistance	-40/+140 °C	
Pot life at 25 °C	35 minutes	
Recoating time at 25 °C	Transparent: minimum 1 hour maximum 24 hours	Colored: minimum 45 minutes maximum 24 hours
Curing time at 25 °C	Transparent:	Colored:
Foot traffic	3 - 4 hours	2 - 3 hours
Light traffic	8 hours	8 hours
Heavy Traffic	5 days	5 days
Tensile strength	Transparent: 12 - 13 N/mm ²	Colored: 14 - 15 N/mm ²
Elongation	Transparent: 90 % – 100 %	Colored: 40 % – 50 %
Shore D Hardness	Transparent: 60 – 65	Colored: 70 % – 75 %
Pull off strength	Transparent: 2.2 Mpa	Colored: 2.5 Mpa
Chemical, water & sewage resistance	Excellent, please consult Technical office	
It complies with ASTM D1308		

Surface Preparation	• Surface must be sound, clean and dry, free from dust, laitance, grease, curing compounds and other contaminants • Surface to be prepared by shot blasting or any approved mechanical means to achieve a surface profile of (CSP2-3) • Sweep or vacuum any dust or loose particles • Concrete compressive Strength after 28 days should be 25 Mpa and tensile bond 1.5 Mpa • For applying over old or new epoxy coatings, the surfaces must be sanded (80 grit) and sheen removed and wiped properly to remove any dust • Do not coat over acrylic or polyurethane coatings unless it is de-glossed
Mixing	• Premix (A&B) separately in its containers Add Part B to part A and mix thoroughly for 2 minutes with low speed mixer or by hand • Material can be diluted by 3% - 5% Prosolve PA when applied using airless spray • Avoid air bubbles while mixing
Application	• Prime the concrete surface with Sealer E43, in case of wet concrete use Wetseal & leave to dry overnight • The coating can be applied with a brush, roller, squeegee or airless spray • Apply to provide a uniform coverage in a multi directional motion at a thickness (150 - 200 microns)/coat • It can be used as a clear top coat for a broadcast quartz or flake system or used as a pigmented coating with color chips or quartz • Application temperature (-5 °C / +50 °C)
Cleaning	Clean immediately with Prosolve PA Cured material can be removed mechanically
Theoretical coverage	• 0.24 Kg/m² at D.F. T. 200 microns / coat – Colored Version • 0.20 Kg/m² at D.F.T. 200 microns / coat – Clear Version • 2 coats are recommended
Packaging	• 5 kg (A&B) pails • 20 kg (A&B) pails
Shelf life & Storage	12 months if stored in a dry, cool conditions in their original, unopened containers
Health and Safety	• Use goggles, gloves and breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleaner, soap and water • Eye splashes to be washed with plenty of water • If ingested seek medical advice
Additional Information	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 PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction PROKEM reserves the right to change the properties of its products All orders are accepted subject to our current term of sale & delivery 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 PROKEM extends technical services to include after sales support to assist users in a proper handling of our products