

ARENA™ 350 CPD

POLYURETHANE CEMENT POLYMER FOR PARKING LOTS,
THICKNESS 2-6 MM

DESCRIPTION

Arena™ 350 CPD is a polymeric cement based self flow mortar for leveling uneven surface and sealcoat with polurethane coating designed especially for car parking floors.

RECOMMENDED USES

For both old parking areas that needs improvement and new parking areas, especially areas where the concrete surface is incompletely polished and not smooth

MAIN PROPERTIES

- Good flexibility
- Economical, much cheaper car park coating system compared to conventional resin systems with the same thickness
- Easy to install using a rake
- Waterproof
- Non toxic and non flammable
- Light reflecting
- UV resistant
- Smooth, seamless surface
- No sound when turning the vehicle
- No tire marks

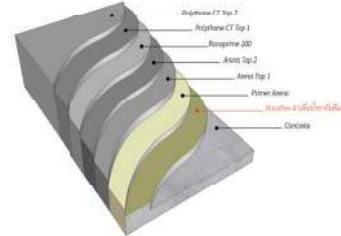
TECHNICAL PROPERTIES

Compressive Strength (ASTM C109)	≥ 400 KSC (Cube)
Abrasion Resistance Test (ASTM C944-99)	Not Over 5.47 gm (Weight Loss)
Flexural Strength Test (ASTM C348)	Not less than 6.87 N/mm ²
Slip Resistance (BS7976 Pendulum slip testing)	Dry Slider 96 not less than 63 Wet Slider 96 not less than 33
Tear Strength (ASTM D624 (Die B))	Not less than 80.3 KN/m
UV Resistance (ASTM G154-12a)	at 336 hour, No dust
Chemical Resistance (ASTM D1308-02 (2013))	Hydraulic Oil – Not changed Gasoline – Not changed Diesel Oil – Not Exchanged
Waterproofing Resistance (ASTM D412, ASTM D2240 & ASTM D624)	Not less than 1.19 N/mm ² Elasticity not less than 74.22% Hardness not less than 86.6 Shore A not less than 10.59 N/mm
Moisture Barrier (ASTM E96/E96-M16)	Below 199 gm/sqm/day

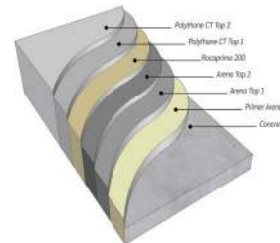
DESIGN FEATURES

The concrete surface must have a strength of not less than 210 KSC(cyl) and must be clean, free from oil stains and any various stains. If the floor concrete has a strength less than the specified or has surface that is not smooth and incomplete, more coating is necessary to make it thicker. **Arena™ 350 CPD** cannot adjust sloped surface.

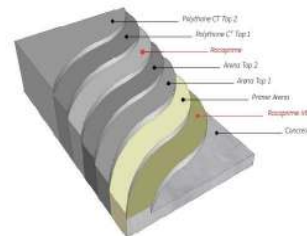
ARENA CPD 350
for upper level parking floors



ARENA CPD 350
for parking lots



ARENA CPD 350
for underground level parking floors



COLOR

Any color available based on RAL color chart. But we recommend the following :

- For floor : Natural Cement Gray
- Traffic Lines : White RocaPox SL
- Stopper : Yellow RAL # 1003 RocaPox CT

SURFACE PREPARATION

Prepare the surface using scarifying machine, shot blasting machine or grinding machine. The surface must be damp but with no standing water before application of product

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MIXING AND INSTALLATION

- **PRIMER** : Mix together Arena™ 350 CPD Primer 4.75 kg/bag with Polybond™ 560 9.5 kg/container with a low speed electric mixer until a homogenous mixture is obtained. Use a paint roller when applying
- **TOPCOAT** : Mix together 25 kg/bag with Polybond™ 560 3.2 kg/container and gradually add 3.2 liters of water to the mixture using a low speed electric mixer until a homogenous mixture is obtained. Use Arena Rake. When applying the second coat, apply transversely as the first coat.
- **SEAL COATING** : Let Arena screed completely dry for around 3 days and check the surface moisture which should be less than 7%. Do light grinding using sandpaper grit 100 to remove trowel and rake marks. Apply Rocaprime A+B using paint roller and wait for 6 - 8 hours for it to dry in which Polythane CT can be applied for 2 coats using paint roller. Apply second coat of Polythane CT transverse to first coat.

CHEMICAL PROPERTIES

Once the Arena™ 350 CPD has been installed, it has good resistance to water and various oils. Please consult the manufacturer for resistance of other chemicals.

GENERAL STANDARDS

Arena standards for Class O coated surfaces in paragraph 8A (b) for approval documents B that mention fire protection For buildings in the category 1985. BS476: Part 6:1989 Fire Propagation index, I = 2.0 and BS476: Part 7:1987 "Surface Spread of Flame Test for Materials" Class 1 Surface Spread of Flame.

TRAFFICABILITY

At temperature 20°C	
24 hours	Light Traffic
2 days	Normal Traffic
7 days	Full cured

AVERAGE CONSUMPTION

- Primer 95 m²/Set
- Top 20.38 m²/Set/Coat

PACKAGING

Arena™ 350 Primer	4.75 kg/bag
Polybond™ 560	9.5 kg/container
Arena™ 350	25 kg/bag, 50 bag/Pallets
Polybond™ 560	3.2 kg/container
Rocaprime	16.8 kg/set
Polythane CT	4 kg/set, 20 kg/set

STORAGE AND SHELF LIFE

- 1 year

HEALTH & SAFETY

Material Safety Data Sheet (MSDS) available upon request.



PRODUCT DATA SHEET

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