

### 100% SOLID POLYURETHANE WEAR COATING

#### DESCRIPTION & UTILISATION

**MAGIECHEM 295** is an aromatic polyurethane binder of 2 components and with a 100% solid based on vegetable oil. **MAGIECHEM 295** has been developed specifically to protect the membrane in the parking garages, when it's applied at one (1) or two (2) coats (over the 25 mils of **MAGIECHEM 309**) plus broadcast of a 24 mesh dry silica sand or other dry abrasive aggregates 16 mesh when more aggressive finish is desired. **MAGIECHEM 295** can be used as the waterproofing membrane and/or to prevent the transfer of fracture of the concrete to the finishing layer of epoxy in the area where the movement is very intense.

#### ADVANTAGE

- Easy mixing ratio 3A : 1B by volume
- Excellent humidity resistance
- Excellent adhesion and the abrasion
- Meets LEED requirement
- Easy to apply, no need to the solvent
- Product firm and flexible.
- 100% solids, without solvent, and odorless
- Renewable Polyols material

#### INSTRUCTION

The surface must be free of all contaminants such as grease, oil, dust, dirt, glue, tire marks and other contaminants.

**Primer MAGIECHEM 309**, When it's used as a wear coat, **MAGIECHEM309 should be age less than 24H, if more slight sanding plus chemical activation are necessary.**

Concrete must be aged for 28 days minimum before mechanical preparation then and the application.

All cracks should be fixed and cleaned before the application, consult MAGIECHEM for more clarification.

**\*\*\*Never add fume silica into MAGIECHEM Products before consulting MAGIECHEM REP\*\*\***

#### APPLICATION

Mix the material part A and part B separately before use

- **MAGIECHEM 295** could be direct to concrete in residential garages as a binder for vinyl chippings.
- **MAGIECHEM 295** Apply one (1) coat at the rate of 25 mils (60 ft<sup>2</sup>/US gal) with 5/32" notched Squeegee and back rolled to make it uniform then heavy broadcasted with a 24 mesh dry silica sand or 16 mesh plus back roll.
- **MAGIECHEM 295** should be applied in 2 coats in curves and drive areas (second coat the same as the first coat).
- **MAGIECHEM 295** can be applied on or before epoxy coating (in less than 24 hours).

#### PRÉCAUTION

- Consult MSDS before use
- Surface temperature is at a minimum of +4°C (39°F) and that it exceeds the dew point temperature by at least +3°C .
- Do not apply on humid concrete up to 3.5%, or yellow/red scale according Delmhorst
- If it is used on the membrane previously installed, a light sanding will be required followed by a cleaning with the solvent **MAGIECHEM211** to activate the membrane.
- Wait a minimum 2 minutes for induction time before application.



MAGIECHEM



### 100% SOLID POLYURETHANE WEAR CAOTING

#### TECHNICAL INFORMATIONS

**Color:** MAGIECHEM GREY'S

**V.O.C.:** ≤ 5 gr/liters

**Mixing ratio:** 3 parts A and 1 part B by volume

**Pot Life:** 25 minutes for 0.5 kg (1.1lbs)

**Inductuion time:** 2 min minimum

**Diluent:** No need

**Recommended Thickness:** 25 mils sec per coat

**Coverage:** 60ft<sup>2</sup>/gal US

**Recoat:** 6 to 16 hours with the same material,

16 to 36 Hours with other material

depend to the temperature and % of te RH

**Dry to touch:** 4 hours

**Complete cure:** 21 days

**Solvent Cleaner:** MAGIECHEM 211

**Shelf Life:** 1 year in original unopened container

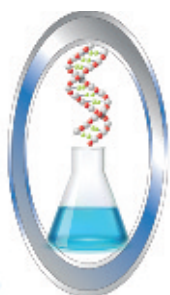
**Packaging:** 15.2L (4 Gal. US )

#### PHYSICAL PROPERTIES WITHOUT AGGREGATES

TENSILE STRENGHT	ASTM D 638	> 4 MPa ( > 582 psi)
% ELONGATION	ASTM D 638	> 150%
TEAR RESISTANT	ASTM D 624 DIE C	> 25 N/mm
ADHESION TO CONCRETE	ASTM D 4541	> 2.5 MPa ( 360 psi)
ADHESION TO MEMBRANE	ASTM D 4541	> 2.5 MPa ( 360 psi) WITH CONCRETE
HARDNESS SHORE D	ASTM D 2240	50 ± 5
VOC (by calculation)	ASTM D 2396	0.5 g/litre

#### TECHNICAL SERVICES AND WARRANTY:

For assistance, consult a representative of MAGIECHEM products. The information contained in this data sheet is based on trials that we believe valid. However, when using the conditions depending on the application of our control. The seller and/ or the manufacturer disclaim any responsibility except to replace the product when proven defective.



**MAGIECHEM**

SURFACE/GALLON					
Épaisseur (mils)	1	4	8	10	20
SF /Gallon	1600	400	200	160	80

