

TECHNICAL DATA



Base Coat and Wear course in SA version

DESCRIPTION AND USES

Duochem 391 is a 100% solids polyurethane binder used to protect Duochem 390 waterproofing membrane and provide a durable anti-skid surface.

The antiskid finish is obtained by broadcast silica sand or by using the SA version that contains factory added pre-measured synthetic aggregate with flexibility that is perfectly harmonized with the binder elasticity to produce a surface that is uniformly compressed in service, thus improving wear resistance.

CHARACTERISTICS

- Interior use
- High abrasion resistance
- Solvent free, low odor
- Easy to clean and maintain
- Forms hard, yet flexible film

POTENTIAL LEED CREDIT

- Low Emitting Material - Paints and coatings
- Contains 51% (reg) and 44% (SA) of rapidly renewable material (non food vegetable oil).
- SA version contains 24% of post consumer rubber.

APPLICATION INSTRUCTIONS

Surface preparation

When not used on freshly installed membrane, then mechanical preparation followed by solvent mist with Duochem 205 is required to reactivate the old urethane coating before the application of Duochem 391/391 SA.

Application

Mix parts A and B separately. Pour B container in A container or in recommended proportions (see technical informations) Mix thoroughly during 5 minutes then apply with notched squeegee, broadcast sand (see below) and backroll.

391 reg: 24 mesh silica sand at 0.7 kg/m²
(14 lbs/100 ft²).

391 SA: 24 mesh silica sand at 0.1 kg/m² (2 lbs/
100 ft²) to enhance antiskid finish,
if needed.

PRECAUTIONS

- Read Material Safety Data Sheet before using.
- Ensure that surface temperature is at least at 4°C (39°F) and exceeds the dew point temperature of ambient air by at least 3°C (5°F)

DUOCHEM 391/391 SA

TECHNICAL INFORMATION

Generic:	Elastomeric polyurethane
Color:	Black, grey
Solids content:	100%
V.O.C.:	1 g/L
Mixing ratio:	Reg: 3½ A to 1 B SA: 4.8 A to 1 B
Pot life:	45 minutes
Suggested primer:	Apply on DUOCHEM 390
Application method:	Notched squeegee and backroll
Number of coats:	1 in parking stalls 2 in all other areas
Recommended thickness: (per coat)	Reg: 450-625 microns (18-25 mils) SA: 600 microns (24 mils)
Theoretical coverage:	985 m ² /l @ 1 micron (1604 ft ² /US gal. @ 1 mil) **
Recoat time:	12 hours @ 23°C (73°F)
Curing time:	48 hours for traffic at 23°C (73°F) 7 days for full cure at 23°C (73°F)
Shelf life:	6 months in original non opened containers stored at 15-30°C (59-86°F).
Packaging:	18 litres (4.76 US gallon)

**** NOTE**

To determine coverage at recommended thickness, divide theoretical coverage by thickness.

TECHNICAL DATA



DUOCHEM

DUOCHEM INC.
1250, Graham Bell
Boucherville (Québec)
J4B 6H5
www.duochem.com
e-mail:
sales_ventes@duochem.com
☎ 1 888 577-6421

QUÉBEC
☎ (450) 655-6421

MARITIMES
☎ (902) 468-7878
1 877 829-9769

ONTARIO
☎ (416) 665-5885
1 888 405-7222

WESTERN ONTARIO
☎ (519) 245-8151

WESTERN CANADA
☎ 1 877 455-9595

VANCOUVER
☎ (604) 521-0572

PHYSICAL PROPERTIES

(cured at least 7 days at 23°C)

<u>PROPERTIES</u>	<u>TEST METHODS</u>	<u>RESULTS</u>
Tensile strength	ASTM D-638 Type IV @ 50 mm/min.	4.1 MPa (595 psi)
Elongation at break	ASTM D-638 Type IV @ 50 mm/min.	205 %
Tear strength	ASTM D-623 Die C	16.9 KN/m linear (96.5 lbs/in. linear)
Hardness	ASTM D-2240	80 Shore A
Abrasion resistance	ASTM D-4060 CS-17 wheels 1000 g/wheel / 1000 revolutions	13 mg loss
Water absorption	ASTM D-570 7 days immersion at room temperature	0.34%

This information is based on tests we believe to be reliable. Since conditions of use are beyond our control, we do not assume any liability except the replacement of an equal quantity of any product which is proven defective and for which we are responsible.