

FLUID MEMBRANE COVERAGE CALCULATION
for paint or spray on applications



Weight per Bucket

METRIC CALCULATION
10.0 kg

IMPERIAL CALCULATION
22.0 lb

Application Thickness

micron, μm
200
0.20 mm

mil
0.3
0.0003 in

Density (at 68°F / 20°C)

1.45 kg/L
0.29 kg/sq m

90.5 lb/cu ft
0.00 lb/sq ft

Coverage @ Application Thickness

Coverage Area
Waste

50.0 sq m
5%

1,000.0 sq ft
5%

Unit Conversion

12.0 mm
0.5 in

0.47 in
12.7 mm

Unit conversions are not considered in the calculation and are provided for the user's convenience



Total Bucket Qty	2	1
code	FLUIDMEM	

NOTES:

1. This calculation estimates the membrane quantity based on typical applications and the selected overage factor.
Coverage may vary based on the specific application conditions: temperature, relative humidity, ventilation and substrate porosity
2. Rothoblaas reserves the right to update or change calculation methods, designs or models without notice or liability
3. Visit www.rothoblaas.com for the most up to date design resources
4. Product application shall be according to Rothoblaas literature for the intended use
5. Water vapor transmission for typical applications is greater than 0.7 perm (less than 5m Sd)
6. Water vapor transmission for an application thickness of 8 mil (200 μm) = 1.9 perm (1.8 m Sd)