



CSS COMMERCIAL ROOFING DATABASE

The Construction Support Services Commercial Roofing database has over 3700 items of work covering all phases of roofing construction including flat roofing, shingles and tiles, metal panels and sheet metal flashings.

This database is complete with labor, material and sub contract unit pricing which can be modified by the end user with their specific historical data.

Database Specifications:

- Over 3700 Items
- Over 50 Phases
- Over 700 Formulas
- Over 90 Material classes
- Over 100 Assemblies

The database includes assemblies in the following categories:

Roof Demo & Setup	3 Assemblies	Build-Up/Modified Flashing	7 Assemblies
Insulation & Underlayment	3 Assemblies	Underlayment & Dry-In	1 Assembly
Adhered EPDM Systems	3 Assemblies	Pitched Roof Assemblies	5 Assemblies
Mech. Attached EPDM	3 Assemblies	Sheet Metal Flashing	37 Assemblies
Ballasted EPDM Systems	3 Assemblies	Metal Panel Systems	20 Assemblies
EPDM Flashing Systems	3 Assemblies	Underlayments-Metal Roofing	2 Assemblies
TPO Systems	2 Assemblies	Hydrotech Waterproofing	2 Assemblies
TPO Flashing Systems	3 Assemblies	Wood Blocking	1 Assembly
Built-Up/Modified Systems	8 Assemblies		

Assembly Takeoff: Baker Building Roof

02.000 INSULATION & UNDERLAYMENT
 02.005 Flat Roof Insulation & Underlayment
 Pass 1 12/29/2010 9:57 AM
 New pass

Flat Roof Insulation & Underlayment

Quantity	1.000	each
Roof Area	10,000.000	sf
Naible Insul.?	No	
Poly Iso ?	Yes	
Poly Iso Mfg.	2.000	
# Layers Polyiso	1.000	ea
Polyiso Thkns	3.500	in
Expanded Polystyrene ?	No	
Extruded Polystyrene ?	No	
Thermadry Req'd?	No	
Perlite Insulation?	Yes	
# Layers Perlite	1.000	ea
Perlite Thkns	0.500	in

Pass 2

Phase	Item	Description	Quantity	Unit	Location	Area	Building	Work Phas
1		Naible Insul. Brd						
2		Atlas Poly Iso Board						
3		Fire Poly Iso Board						
4	20.100	420 Firestone Poly Iso Board 3.50" - R21	10,000.000	sf				
5		Derb Poly Iso Board						
6		Exp.Poly						
7		Dow Extrud.Polysty						
8		Dow Thermadry						
9		Perlite Insulation						
10	20.100	510 Perlite Insulation 1/2"	10,000.000	sf				
11		Permalite						
12		Dens Deck						
13	20.100	780 Dens-Deck 5/8"	10,000.000	sf				
14		Type x Gyp Board						
15		Wood Fiber Board						
16		Plywood						
17	10.600	45 Loose Lay Naible Insulation		sf				
18	10.600	50 Adhere Naible Insulation		sf				
19	10.600	55 Mechanical Fasten Naible Insulation		sf				
20	10.200	280 Loose Lay Insulation		sf				
21	10.200	285 Adhere Insulation	20,000.000	sq				
22	10.200	290 Mechanical Fasten Insulation		sq				

Quantity: 10,000.00 sf Cost: \$197,704.50 \$19.77 / sf

Assembly Takeoff: Baker Building Roof

03.000 ADHERED EPDM SYSTEMS
 03.010 Firestone 60mil Standard Adhered EPDM
 Pass 1 12/29/2010 10:02 AM
 New pass

Firestone 60mil Standard Adhered EPDM

Quantity	1.000	each
Roof Area	10,000.000	sf
S.P. Matl. Width	10.000	ft
S.P. Matl. Length	100.000	ft
Tape Width	3.000	in
Adhesive Coverage	60.000	sf
5' Cover ?	Yes	
Acrylic Coating ?	Yes	

Pass 2

Phase	Item	Description	Quantity	Unit	Location	Area	Building	Work Phas
1		Fire. 60mil Std EPDM						
2	20.200	1130 Firestone Standard EPDM Panels - .	11,000.000	sf				
3		Fire.QkSeam Tape						
4	20.200	3205 Firestone QuickSeam 3" Splice Tape	1,155.000	lf				
5	20.200	3300 Firestone QuickPrime Plus 3 gal.	1,100.000	lf				
6	20.200	3145 Firestone Bonding Adhesive	170.000	gal				
7	20.200	3220 Firestone QuickSeam Flashing	1,155.000	lf				
8	20.200	3300 Firestone QuickPrime Plus 3 gal.	1,100.000	lf				
9	10.200	360 Acrylic Base Coat - 1 gal/sf	10,000.000	sf				
10	10.200	365 Acrylic Top Coat - 1 gal/sf	10,000.000	sf				
11	20.200	2080 EPDM Membrane PreWash (Not Unive	10,000.000	sf				
12	20.200	2100 Universal Coatings AcryliTop Base Coat	10,000.000	sf				
13	20.200	2085 Universal Coatings AcryliTop PC-100 C	10,000.000	sf				
14	20.200	3280 Firestone QuickSeam Joint Covers	25.000	ea				
15	10.200	15 Adhere EPDM	10,000.000	sf				
16	10.200	355 Power Wash EPDM	10,000.000	sf				
17								

Quantity: 10,000.00 sf Cost: \$25,091.11 \$2.51 / sf

Phase	Description	Takeoff Quantity	Labor Productivity	Labor Cost/Unit	Labor Quantity	Labor Price	Labor Amount	Material Price	Material Amount	Total Amount
LABOR										
10.200	MEMBRANE ROOFING LABOR									
	Adhere EPDM	10,000.00 sf	0.007 mh / sf	0.08 /sf	65.00 mh	12.00 /mh	780	-	-	780
	Adhere Insulation	20,000.00 sf	0.008 mh / sf	0.09 /sf	150.00 mh	12.00 /mh	1,800	-	-	1,800
	Loose Lay Gyp Board / Dens Deck	10,000.00 sf	0.007 mh / sf	0.08 /sf	70.00 mh	12.00 /mh	840	-	-	840
	Power Wash EPDM	10,000.00 sf	0.002 mh / sf	0.02 /sf	15.00 mh	12.00 /mh	180	-	-	180
	Acrylic Base Coat - 1 gal/sf	10,000.00 sf	0.002 mh / sf	0.02 /sf	20.00 mh	12.00 /mh	240	-	-	240
	Acrylic Top Coat - 1 gal/sf	10,000.00 sf	0.002 mh / sf	0.02 /sf	20.00 mh	12.00 /mh	240	-	-	240
MATERIAL										
20.100	INSULATION MATERIAL									
	Firestone Poly Iso Board 3.50" - R21.7	10,000.00 sf	-	-	-	-	-	124.25 /sq	12,425	12,425
	Perlite Insulation 1/2"	10,000.00 sf	-	-	-	-	-	18.00 /sq	1,800	1,800
	Dens-Deck 5/8"	10,000.00 sf	-	-	-	-	-	34.00 /sq	3,400	3,400
20.200	MEMBRANE ROOFING MATERIAL									
	Firestone Standard EPDM Panels - .060 - 10' x 100'	11,000.00 sf	-	-	-	-	-	350.00 /rl	3,850	3,850
	EPDM Membrane Pre/Wash (Not Universal)	10,000.00 sf	-	-	-	-	-	17.12 /gal	571	571
	Universal Coatings AcryliTop PC-100 Coating WHITE	10,000.00 sf	-	-	-	-	-	21.58 /gal	2,158	2,158
	Universal Coatings AcryliTop Base Coat for EPDM (Light	10,000.00 sf	-	-	-	-	-	21.58 /gal	2,158	2,158
	Firestone Bonding Adhesive	170.00 gal	-	-	-	-	-	12.27 /gal	2,085	2,085
	Firestone QuickSeam 3" Splice Tape	1,155.00 lf	-	-	-	-	-	198.70 /ctn	383	383
	Firestone QuickSeam Flashing	1,155.00 lf	50.000 lf / hr	0.25 /lf	23.10 hr	12.50 /hr	289	212.09 /ctn	1,225	1,514
	Firestone QuickSeam Joint Covers	25.00 ea	-	-	-	-	-	160.00 /ctn	40	40
	Firestone QuickPrime Plus 3 gal.	1,100.00 lf	-	-	-	-	-	15.15 /gal	167	167
	Firestone QuickPrime Plus 3 gal.	1,100.00 lf	-	-	-	-	-	15.15 /gal	167	167
	Type IV Steep Asphalt	3.00 ctn	-	-	-	-	-	26.50 /ctn	80	80

Baker Building Roof - Totals						
Description	Amount	Totals	Hours	Rate	Cost per Unit	Percent of Total
Labor	4,369		363.100 hrs		0.437 /sf	7.57%
Labor Burden	2,403			55.000 %	0.240 /sf	4.16%
	6,772	6,772			0.677 /sf	11.73
Material	30,507				3.051 /sf	52.83%
Material Tax	2,517			8.250 %	0.252 /sf	4.36%
	33,024	39,796			3.980 /sf	57.19
Markup on L&M	11,939			30.000 %	1.194 /sf	20.67%
	11,939	51,735			5.174 /sf	20.68
Manufacturers Guarantees					/sf	
Equipment Rental/Purchase					/sf	
Permits					/sf	
Trash Fees					/sf	
Room & Board					/sf	
Subcontract Bid 1					/sf	
Subcontract Bid 2					/sf	
Tarps,Barricades,Safety,Toilet					/sf	
Bond	1,039				0.104 /sf	1.80%
Other Costs					/sf	
Markup on Misc. Direct Costs	208			20.000 %	0.021 /sf	0.36%
	1,247	52,982			5.298 /sf	2.16
Sheet Metal Work		52,982			5.298 /sf	91.75%
Allowances					/sf	
Subcontract					/sf	
Equipment					/sf	
Other					/sf	
		52,982			5.298 /sf	91.75%
Remodel Tax	4,764			8.250 %	0.476 /sf	8.25%
	4,764	57,746			5.775 /sf	8.25
Total		57,746			5.775 /sf	100.00%

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