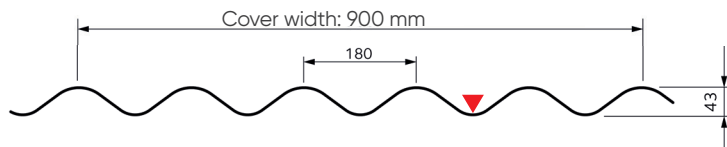
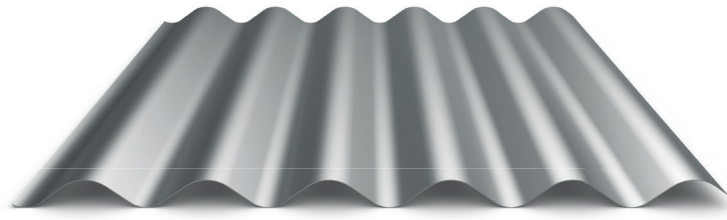


Frequency® 5.180.43T



Corrugated roof sheet

Haironville (FR)



Minimum length 1,800 mm /
Maximum length 11,000 mm
Minimum thickness: 0.75 mm

Installation of an adhesive seal in polyethylene foam (30 kg/m³) imperative on support
Joint dimensions (thickness 5 mm): support width + 10 mm
Minimum slope 10% or 15% depending on the configuration of the cover

Characteristics		THICKNESS (mm)							
		0.75	0.88	1.00					
According to PV Véritas N° DME 7 92 273/01		Surface mass (kg/m ²)	7.75	9.10	10.34				
Action of descending loads	Moments of inertia (cm ⁴ /ml)	Single span	I2	21.89	25.68	29.18			
		Two equal spans	I3	19.35	22.71	25.80			
		Continuity	Im	20.62	24.19	27.49			
	Bending moment (m.kN/ml)	In span	Elastic system	Md2T	2.96	3.47	3.94		
			Elasto-plastic system	Md3T	3.34	3.91	4.45		
Supported		Md3A	2.45	2.87	3.26				
	Under concentrated load	Mc	2.00	2.35	2.67				
	Support reaction (kN/ml)	Rd	7.95	9.32	10.59				
Action of ascending loads	Complete fixing at the top of the rib	Bending moment (m.kN/ml)	In span	Elastic system	Ma2T	2.66	3.12	3.55	
				Elasto-plastic system	Ma3T	3.50	4.10	4.66	
		Supported	Ma3A	1.63	1.91	2.17			
	Breakout force at the support (kN/ml)	Sa	4.72	5.54	6.29				

Useful spans under the action of climatic loads for equal spans

Frequency® 5.180.43T	Permanent loads (kN/m ²)	2 SUPPORTS			3 SUPPORTS			4 SUPPORTS			
		0.75	0.88	1.00	0.75	0.88	1.00	0.75	0.88	1.00	
Descending loads	0.45	3.35	3.50	3.60	3.50	3.70	3.90	3.50	3.70	3.90	
	0.55	3.15	3.30	3.45	3.50	3.70	3.90	3.50	3.70	3.90	
	0.65	3.00	3.15	3.25	3.50	3.70	3.90	3.50	3.70	3.90	
	0.75	2.90	3.00	3.15	3.50	3.70	3.90	3.50	3.70	3.80	
	0.90	2.70	2.85	2.95	3.50	3.70	3.85	3.30	3.50	3.60	
	1.00	2.65	2.75	2.90	3.45	3.60	3.75	3.20	3.35	3.50	
	1.25	2.45	2.60	2.70	3.20	3.35	3.50	3.00	3.15	3.30	
	1.50	2.30	2.45	2.55	3.00	3.15	3.30	2.85	2.95	3.10	
	1.75	2.20	2.30	2.40	2.85	3.00	3.15	2.70	2.85	2.95	
	200	2.10	2.25	2.30	2.55	2.90	3.00	2.60	2.70	2.85	
225	2.05	2.15	2.25	2.30	2.65	2.90	2.50	2.60	2.70		
250	1.95	2.05	2.15	2.05	2.40	2.70	2.25	2.55	2.65		
Ascending loads	Complete fixing at the top of the rib	0.75	3.35	3.50	3.60	3.50	3.70	3.90	3.50	3.70	3.90
		1.00	3.30	3.50	3.60	3.35	3.70	3.90	3.50	3.70	3.90
		1.25	2.60	3.10	3.55	2.65	3.15	3.50	2.90	3.45	3.80
		1.50	2.15	2.55	2.95	2.20	2.60	2.95	2.40	2.85	3.25
		2.00	1.60	1.90	2.15	1.60	1.90	2.20	1.80	2.10	2.40

Span table according to French norms