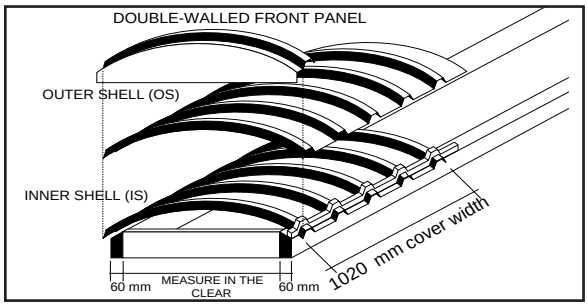
CINTRALUX
AG.PLASTICS

PRICE LIST COMPOSITE BARREL VAULT

HEATSTOP LL-VERSION ! Only 13% extra for a DW barrel vault.

All CINTRALUX® outer shells are provided with special UV-resistant LONGLIFE-protection



OVERVIEW OF TYPES	PRICE - FACTOR
OUTER SHELL LONGLIFE (LL) CLEAR, OPAL OR COOLGREEN	1,00
INNER SHELL STANDARD (ST) CLEAR	1,00
1200 JOULE (1200J) INNER AND OUTER SHELL.	1,05
NORM 1187 INNER AND OUTER SHELL	1,25
HEATSTOP OUTER SHELL (HS-LL)	1,30
DIN 4102 B2	1,10
SELF-EXTINGUISHING OUTER AND/OR INNER SHELL (SE-LL)	1,50
MOUNTING SET FOR SINGLE-WALLED BARREL VAULT	0,60

Measure in the clear	PRICELIST CINTRALUX STANDARD TYPE					
(cm)	mounting set	IS ST	OS-LL	Cintralux DW	frontpanel DW	frontpanel SW
100	9,10	18,70	21,20	49,00	47,10	33,20
110	9,10	20,40	22,70	52,20	48,50	34,00
120	9,10	21,90	24,30	55,30	49,90	34,90
130	9,10	23,50	25,80	58,40	51,40	35,60
140	9,10	25,00	27,20	61,30	52,90	36,40
150	9,10	26,60	28,70	64,40	54,30	37,30
160	9,10	28,20	30,20	67,50	55,80	37,90
170	9,10	29,70	31,60	70,40	57,20	38,80
180	9,10	31,30	33,10	73,50	58,50	39,60
190	9,10	33,00	34,60	76,70	60,00	40,40
200	9,10	34,60	36,00	79,70	61,50	41,20
210	9,10	36,10	37,60	82,80	62,90	42,00
220	9,10	37,70	39,10	85,90	64,30	42,70
230	9,10	39,40	40,70	89,20	65,80	43,70
240	9,10	41,00	42,30	92,40	67,20	44,40
250	9,10	42,70	43,90	95,70	68,70	45,20
260	9,10	44,50	45,50	99,10	70,20	46,10
270	9,10	46,20	47,20	102,50	71,60	46,70
280	9,10	47,90	48,80	105,80	74,60	49,20
290	9,10	49,50	50,70	109,30	78,10	52,20
300	9,10	51,30	52,40	112,80	85,50	59,00
310	9,10	53,10	54,00	116,20	88,60	61,40
320	9,10	55,00	55,80	119,90	90,00	62,10
330	9,10	56,80	57,60	123,50	91,50	62,90
340	9,10	58,50	59,50	127,10	93,00	63,70
350	9,10	60,30	61,30	130,70	94,30	64,40
360	9,10	62,20	63,00	134,30	95,80	65,20
370	9,10	64,20	64,90	138,20	97,30	66,10
380	9,10	66,10	66,80	142,00	98,70	67,00
390	9,10	68,10	68,80	146,00	100,20	67,60
400	9,10	70,20	72,40	151,70	101,50	68,60

- We refer explicitly to our general sales conditions, technical file and installation instructions.
- All prices are gross prices - V.A.T. not included, in euro.
- Prices are mentioned ex-works.
- This price list deletes and replaces all previous price lists.

See overleaf

AG.Plastics n.v., Spinnerijstraat 100, B-8530 Stasegem
TEL 0032 / (0)56 20 00 00 FAX 0032 / (0)56 21 95 99 e-mail: info@agplastics.com website: www.cintralux.com

COPYRIGHT AG.PLASTICS

HOW TO USE THE PRICE LIST

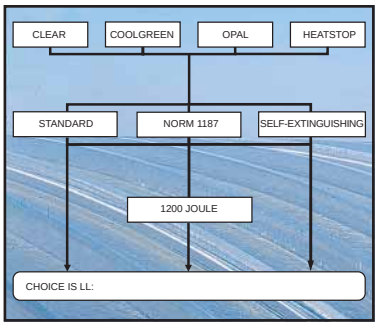
☛ for standard double-walled (DW) barrel vaults

Starting from the measure in the clear you read in the column "Cintralux® DW" the exact price per double-walled element. This is the sum of the 3 preceding columns "mounting set + ST IS + LL OS". Multiply this sum with the number of elements and add the front panels (SW or DW).

☛ for non-standard barrel vaults

Depending on the composition of your barrel vault, you read next to the chosen daylight size the prices for "the mounting set", the ST inner shell and the LL outer shell and you multiply these values with their respective factor as indicated in the schedule "overview of types".

Schedule 1: Longlife outer shell (OS LL)



Examples:

❶

A single walled barrel vault with outer shell in Longlife and daylight sizes of 10,9 m (length) and 250 cm (width)

a) determine the number of elements (10.9+ (0,06X2)) : 1.02 = 11 elements.

b) determine the price (9,1 X 0,6) + (43,9 X 1) = 49,36 euro per element

2 single walled front panels : 45,2 euro/piece

❷

A double walled barrel vault with IS self-extinguishing and OS-LL opal; daylight sizes 190 cm (width) and 20,2 m (length)

a) determine the number of elements (20.2+ (0,06X2)) : 1.02 = 20 elements

b) determine the price (9,1) + (33 X 1,5) + (34,6 X 1) = 93,2 euro per element

2 double walled frontpanels : 60 euro/piece

❸

A double walled barrel vault 1200 J; OS in Heatstop LL; daylight sizes 150 cm (width) and 25,3 m (length)

a) determine the number of elements (25,3+ (0,06X2)) : 1,02 = 25 elements

b) determine the price (9,1) + (26,6 X 1,05) + (28,7 X (1+(0,05+0,3)) = 75,775 euro per element

2 double walled front panels : 54,3 euro/piece

❹

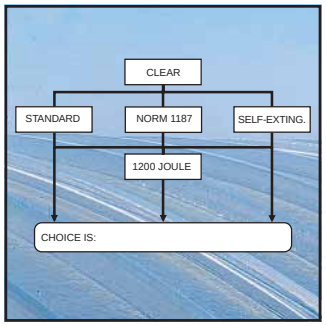
A double walled barrel vault Heatstop LL, norm 1187; daylight sizes 350 cm (width) and 45,70 m (length)

a) determine the number of elements (45,70+ (0,06X2)) : 1,02 =45 elements

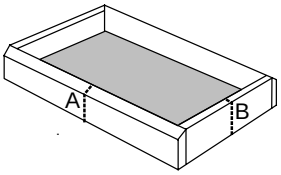
b) determine the price (9,1) + (60,3 x(1+0,25)) + (61,3 x (1+0,25+0,3) = 179,49 euro per element

2 double walled front panels : 94,3 euro/piece

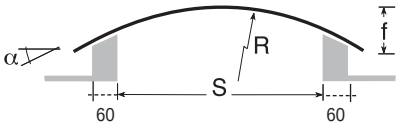
Schedule 2: Inner shell (IS ST)



CURBS FOR PRV - BARREL VAULTS



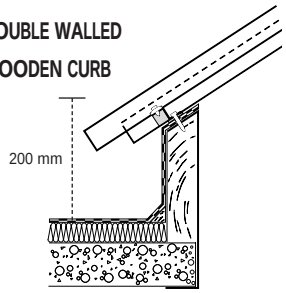
Standard curb width = 60 mm
In case of orders: communicate overall curb sizes !



R = 3150 mm

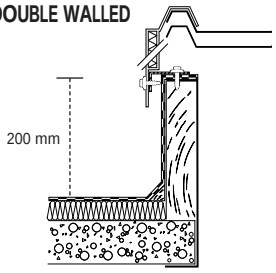
S (mm)	α (°)	f (mm)
1000	10°	40
1500	15°	90
2000	20°	160
2500	25°	260
3000	30°	380
3500	35°	530
4000	40°	720

DOUBLE WALLED WOODEN CURB



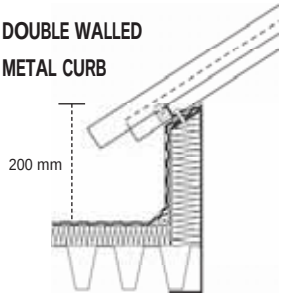
A

DOUBLE WALLED



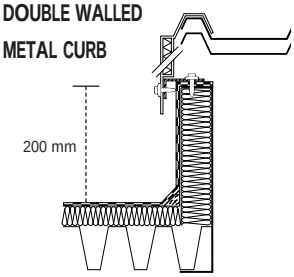
B

DOUBLE WALLED METAL CURB



A

DOUBLE WALLED METAL CURB



B

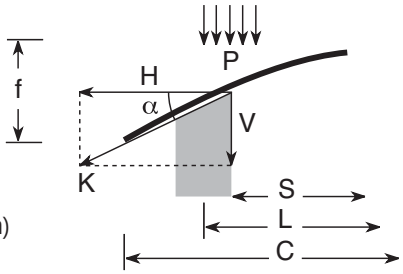
Force on the frame.

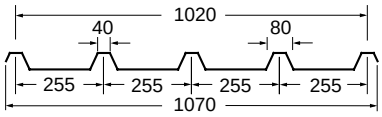
Vertical: $V = \frac{P \times S}{2}$ with:

V = vertical force per metre (N/m)
P = load (N/m²)
S = width of the barrel vault (m) (overall size – 12 cm)

Horizontal: $H = \frac{P \times L^2}{8f}$ with:

H = horizontal force per metre (N/m)
P = load (N/m²)
L = axis-to-axis distance from points of support (m)
f = rise (m)
α = beveling angle





GUARANTEE 20 YEARS ON REQUEST *

OFFICIAL CERTIFICATES CINTRALUX® PRV

* Technical approval : Poland: Aprobata Techniczna AT-15-2194:1996 (Instytut Techniki Budowlanej)

* Fire certificates :
1) Standard Cintralux - **M4** - PV n°B030491 CEMATE/2 - **Class 3** - report n° 50144 WFRC - BS 476 - part 7- 1987
2) Cintralux PRV fire-retardant - **M2** - LNE N° 8090401 CEMATE/2 - **Class 1** - report n° 50143 WFRC - BS 476 - part 7- 1987 - **F.A.A.** - report n° 50145 WFRC - BS 476 - part 3 - 1958
3) Cintralux PRV Heatstop fire-retardant - **M2** - LNE n° B120347 - CEMATE/1
4) DIN 4102 TEIL 1 - **B2** - PV n°9599
5) EN 13501-5: 2005 + A1: **B roof (t_1)** report n° 13442 A for M2 (OS) + M2 (IS) and for M2 (OS) + M4 (IS)
6) EN 13501-1: **Euroclass E** report n° 13555 A

* 1200 Joule : - 1200 Joule: PV n° 2322.8.07 4 CEBTP

*on hail resistance

COPYRIGHT A.G.PLASTICS