



# FIRE RATINGS

The true assessment of the extinguishing power of a fire extinguisher





# What is a Fire Rating?

To measure the power or intensity of fire and the power of an extinguisher needed to kill that fire, a universally accepted method of testing is formulated.

**These tests are called Fire Rating tests.**



# How are Fire Ratings arrived at?

Standards define a highly specific method of lighting a fire and then putting it out using an extinguisher to assess the extinguisher's fire ratings in case of both, Class A and Class B Fire ratings. Each test fire is designated by a number (which indicates a fire size) followed by the letter A, which denotes class of fire.

Class A Fire



Class B Fire





# Class A Fire Rating Test

## Preparation

A specific variety of wood is selected with specific density & moisture content and is cut into pieces to form a crib.

This crib is constructed with precise parameters of spacing between two pieces, height, length and width basis the size of the fire and corresponding fire rating test.

This crib is then placed on top of a metal frame of a specific height. A metal tray is placed under the crib that stores the fuel for lighting the fire.



# Class A Fire Rating Test

## Test Procedure

Fuel in the tray under the crib is ignited. After the fire has burnt for a specified duration the tray is removed. **The crib is then permitted to burn for a further specified time period for the fire to be established fully.**

The fire extinguisher is put into action at this point and the operator discharges the extinguisher in the best possible way to ensure maximum extinguishing power.





# Class A Fire Rating Test

## Test Procedure

The maximum extinguishing time should not exceed a specific time period prescribed. In all cases the fire shall be observed for 3 min from that point.

**For the test to be successful, all flames must be extinguished and there should be no reoccurrence of flames in the 3 min observation period.**



# Class B Fire Rating Test

## Preparation

A circular metal tray of a prescribed volume is used to store fuel i.e. Heptane fuel and water is used.

The radius of tray is given by the square root of the rating number in decimeters

For example, for 55B fires the radius of the tray is square root of 55 i.e 7.4 decimeters or 74 centimeters approx.





# Class B Fire Rating Test

## Preparation

There is a specific method to determine the volume of Heptane (Fuel) required. For example- for 55B fire it is derived by 2/3rd of 55 ltr (36.7lts) and the balance is water (18.33ltr)

Other dimensions of the tray and fuel are also kept very specific depending upon the size of fire and corresponding ratings. These include the depth of fuel & water in the tray, the height from the surface of the fuel to the rim, etc.





# Class B Fire Rating Test

## Test Procedure

The fuel is now ignited and to allowed to burn for a specified time period.

At this point the fire extinguisher is pressed into action.

If the fire gets extinguished and there is no reoccurrence of flames, the fire extinguisher passes the test.



# Class F Fire Rating Test

## Preperation

The Class F Fire Rating test is required to be done indoors, in a room of a specified dimensions and with a specified ambient temperature.

The test is required to be done **Vegetable Oil** with an auto ignition point of not less than **360 Degrees Celsius**.





# Class F Fire Rating Test

## Test Procedure

The Oil is heated in a test tray using a suitable heating arrangement.

Oil temperature must be measured using a specially designed thermometer at a point that is 25mm below oil surface and at least 75mm from the walls of the tray.



# Class F Fire Rating Test

## Test Procedure

On auto ignition, the fire is allowed to burn freely for 2 minutes.

After 2 minutes of pre-burn, the extinguisher is put to action and fired from the distance specified in the extinguisher, but the distance should not be lesser than 1m from the nozzle and the tray.

**Fire must be completely extinguished to pass the test.**





# Indian standards (BIS) and European standards (EN) on Fire Ratings.

Both, Indian Standards (BIS) as well as European Standards (EN) have laid out extremely comprehensive test procedures to conduct fire rating tests on extinguishers.



# Class A Fire Rating Test parameters as per Indian Standards (BIS)

Class and Size of Fire	Type of Wood used as Fuel	Construction of CRIB					Moisture Content of Wooden Stick	Wooden CRIB ignition Arrangement		Support for CRIB	
		Number of Pieces of Wood	Wooden stick cross sectional sides.	Length of Pieces of Wood in Mm	Arrangement of Pieces of Wood	Minimum Air Inlet Opening Surface Area in m2		Shape of CRIB	Ignition Pan Size mm		Heptane Charge It
1A	PinusSylvestris / Cryptomeria Japonica	72	37 ± 1	500	12 layers of 6 pieces of wood	0.10	All cribs are cubic with the volume of the open space approximately equal to the volume of the wood.	10 percent to 14 percent by mass (dry basis).	400 × 400 × 100	1.1	Construct the crib on two 63 mm × 38 mm angle irons or other similar and appropriate supports, placed on concrete blocks or support frame so as the height of the supports above the floor is 400 ± 10 mm.
2A		112	38 ± 1	635	16 layers of 7 pieces of wood	0.10			535 × 535 × 100	2	
3A		144	39 ± 1	735	18 layers of 8 pieces of wood	0.15			635 × 635 × 100	2.8	
4A		180	40 ± 1	800	20 layers of 9 pieces of wood	0.20			700 × 700 × 100	3.4	
6A		230	41 ± 1	925	23 layers of 10 pieces of wood	0.30			825 × 825 × 100	4.8	
10A		324	42 ± 1	1 100	27 layers of 12 pieces of wood	0.40			1 000 × 1 000 × 100	7	
15A		450	43 ± 1	1 190	30 layers of 15 pieces of wood	0.50			1 090 × 1 090 × 100	7.6	
20A		561	44 ± 1	1 270	33 layers of 17 pieces of wood	0.60			1 170 × 1 170 × 100	8.2	



# Class A Fire Rating Test parameters as per Indian Standards (BIS)

Fire Ratings with respect to minimum sizes of various extinguishing agents

Extinguishing Medium Content (Charge)			Minimum Class A Rating
Powder KG	Water/Foam/ Water Mist Litre	Clean Agent KG	
≤ 2	≤ 6	≤ 6	1A
>2, ≤ 4	> 6, ≤ 10	>6, ≤ 8	2A
>4, ≤ 6	> 10	>8	3A
> 6, ≤ 9			4A
>9			6A

# Class B Fire Rating Test parameters as per Indian Standards (BIS)

Class and Size of Fire	Minimum Discharge time of Extinguishers in seconds	Volume of Liquid <sup>1</sup> lt	Volume of water in liter	Volume of Fuel in liter	Dimensions of Test Fire Tray			Approximate Surface Area of Fire m <sup>2</sup>	Fuel Type
					Diameter <sup>2</sup> ) mm	Internal Depth <sup>3</sup> )in mm	Minimal Thickness of Walls in mm		
8B <sup>3</sup> )	-	8	2.67	5.33	570 ± 10	150 ± 5	2	0.25	Use n Heptane having an initial boiling point of not less than 88°C and a final boiling point of not more than 105°C.
13B <sup>3</sup> )	-	13	4.33	8.67	720 ± 10	150 ± 5	2	0.41	
21B	8	21	7.00	14.00	920 ± 10	150 ± 5	2	0.66	
34B	8	34	11.33	22.67	1170 ± 10	150 ± 5	2.5	1.07	
55B	9	55	18.33	36.67	1480 ± 15	150 ± 5	2.5	1.73	
(70B)	9	70	23.33	46.67	(1670 ± 15)	(150 ± 5)	2.5	-2.2	
89B	9	89	29.67	59.33	1890 ± 20	200 ± 5	2.5	2.8	
(113B)	12	113	37.67	75.33	(2130 ± 20)	(200 ± 5)	2.5	3.55	
144B	15	144	48.00	96.00	2400 ± 25	200 ± 5	2.5	4.52	
(183B)	15	183	61.00	122.00	(2710 ± 25)	(200 ± 5)	2.5	5.75	
233B	15	233	77.67	155.33	3000 ± 30	200 ± 5	2.5	7.32	



# Class B Fire Rating Test parameters as per Indian Standards (BIS)

Fire Ratings with respect to minimum sizes of various extinguishing agents

Extinguishing Medium Content (Charge)				Minimum Class B Rating
Carbon Dioxide KG	Powder KG	Water/Foam/ Water Mist Litre	Clean Agent KG	
≤ 2	≤ 2	–	≤ 2	13
>2, < 5	>2, < 3	< 3	>2, ≤ 4	21
> 5	≥ 3, ≤ 4	≥ 3, ≤ 6	>4, ≤ 6	34
–	>4, ≤ 6	>6, ≤ 9	>6	55
–	> 6	>6, ≤ 9	–	89



# Class F Fire Rating Test parameters as per Indian Standards (BIS)

Class & Size of Fire	Volume of cooking oil in test fire in (Litres)	Test Apparatus	Fuel Type
5F Minimum	5 +1/0	Type A 300 mm	Vegetable Oil
<b>15F</b>	<b>15 +1/-0</b>	Type-B X=448 mm Y=224 mm	Vegetable Oil
<b>25F</b>	<b>25 +1/-0</b>	Type-B X578 mm Y=289 mm	Vegetable Oil
<b>75F</b>	<b>75 +1/-0</b>	Type-B X=1000 mm Y=500 mm	Vegetable Oil



# Class A Fire Rating Test parameters as per European Standards (EN)

Class and Size of Fire	Types of Wood used as Fuel	Construction of CRIB				Moisture Content and Identity of Wooden Stick	Wooden CRIB ignition Arrangement	Support for Crib
		Number of tranverse sticks	Length of tranverse sticks in mm. i.e <b>Depth of crib.</b>	Number of longitudinal sticks. Placed perpendiculary to tranverse sticks.	Length of longitudinal sticks. Placed perpendiculary to tranverse sticks. Varies according to fire size*decimeter. <b>Length In M</b>			
5A	<b>The wooden sticks shall be of Pinus silvestris.</b>	5	500	5	0.5	<b>The wooden sticks shall be of Pinus silvestris containing 10 % to 15 % of moisture by mass when determined in accordance with Annex J. The density of the wood shall be 0,40 kg/dm<sup>3</sup> to 0,65 kg/dm<sup>3</sup></b>	<b>A metal Lighting tray with a width of 600mm and a depth of 100 mm shall be used .The length of tray shall be 100 mm greater than a fire size.</b>	<b>Class A test fires shall consist of a crib of wooden sticks supported on a metal frame 250 mm high, 900 mm wide and of a length equal to that of the test fire (see Figure I.1). The metal frame shall be constructed from angle sections (L ´ W) (50 ´ 50) mm as specified in ISO 657-1.</b>
8A		8	500	5	0.8			
13A		13	500	5	1.3			
21A		21	500	5	2.1			
27A		27	500	5	2.7			
34A		34	500	5	3.4			
43A		43	500	5	4.3			
55A		55	500	5	5.5			

# Class A Fire Rating Test parameters as per European Standards (EN)

Fire Ratings with respect to minimum duration of operation & sizes of various extinguishing agents

FIRE RATING	Minimum duration of operation in Sec	Nominal permitted charges powder in Kg	Minimum duration of operation in seconds	Nominal permitted charges of water/foam in Lt
5A	6	1	6	2, 3
8A	6	1, 2	9	2, 3, 6
13A	9	1, 2, 3, 4	9	2, 3, 6, 9
21A	9	1, 2, 3, 4, 6	9	2, 3, 6, 9
27A	9	1, 2, 3, 4, 6, 9	12	2, 3, 6, 9
34A	12	1, 2, 3, 4, 6, 9	15	2, 3, 6, 9
43A	15	1, 2, 3, 4, 6, 9, 12	15	2, 3, 6, 9
55A	15	1, 2, 3, 4, 6, 9, 12	15	2, 3, 6, 9



# Class B Fire Rating Test parameters as per European Standards (EN)

Class and Size of Fire	Fuel Type	Fuel & Water Specifications			Dimensions of tray				Minimum duration of operation	Dimensions of Test Chambers	
		Volume of liquid Lt	Water 1/3 total volume in Lt	Fuel 2/3 total volume	Internal diameter at rim in mm	Depth in mm	Thickness of walls in mm	Approximate area of fire in m <sup>2</sup>		Minimum height (tray x 5) in M	Minimum side length (tray x 4) and 7,5 m whichever is the greatest (m)
21B	<b>The fuel for the class B test fires shall be industrial heptane which shall have the following characteristics:</b> Distillation curve: 84 °C to 105 °C; Difference between initial and final points of distillation: £ 10 °C; Aromatic content (V/V): £ 1 %; Density at 15 °C 0,680 to 0,720.	21	7.0	14.0	920 ± 10	150 ± 5	2,0	0,66	6	4,6	7,5
34B		34	11.3	22.7	1 170 ± 10	150 ± 5	2,5	1,07	6	5,8	7,5
55B		55	18.3	36.7	1 480 ± 15	150 ± 5	2,5	1,73	9	7,4	7,5
70B		70	23.3	46.7	1 670 ± 15	150 ± 5	2,5	2,20	9	8,3	7,5
89B		89	29.7	59.3	1 890 ± 20	200 ± 5	2,5	2,80	9	9,4	7,5
113B		113	37.7	75.3	2 130 ± 20	200 ± 5	2,5	3,55	12	10,6	8,5
144B		144	48.0	96.0	2 400 ± 25	200 ± 5	2,5	4,52	15	12,0	9,6
183B		183	61.0	122.0	2 710 ± 25	200 ± 5	2,5	5,75	15	13,5	10,8
233B		233	77.7	155.3	3 000 ± 30	200 ± 5	2,5	7,32	15	15,2	12,2

# Class B Fire Rating Test parameters as per European Standards (EN)

Fire Ratings with respect to minimum duration of operation & sizes of various extinguishing agents

Designation of test fire	Minimum duration of operation in seconds	Nominal permitted charges powder in Kg	Minimum duration of operation in seconds	Nominal permitted charges water/ foam in Lt	Minimum duration of operation s	Nominal permitted charges Co <sup>2</sup> in Kg
21B	6	1	-	-	6	2
34B	6	1, 2	6	2	6	2
55B	9	1, 2, 3	9	2, 3	9	2, 5
70B	9	1, 2, 3, 4	9	2, 3	9	2, 5
89B	9	1, 2, 3, 4	9	2, 3	9	2, 5
113B	12	1, 2, 3, 4, 6	12	2, 3, 6	12	2, 5
144B	15	1, 2, 3, 4, 6, 9	15	2, 3, 6	15	2, 5
183B	15	1, 2, 3, 4, 6, 9, 12	15	2, 3, 6, 9	15	2, 5
233B	15	1, 2, 3, 4, 6, 9, 12	15	2, 3, 6, 9	15	2, 5



# Class F Fire Rating Test parameters as per European Standards (EN)

Rating	Volume of cooking oil in test fire (l)	HEIGHT CONTAINER in mm	INTERNAL CONTAINER in mm	INTERNAL CONTAINER in mm	Support ht in mm	MOC of container steel sheet, mm thick	Nominal permitted charges in (l)	Minimum duration of operations in seconds	Fuel
5F	5 (+1 -0)	170 +/- 10	Dia	Dia	150 +/- 10	(2,0 ± 0,25)	2, 3	6	Vegetable oil with auto ignition temperature 330 to 380 degree centigrade.
25F	25 (+1 -0)	250 +/- 10	L = 578	W = 289	750 +/- 12	(2,0 ± 0,25)	2, 3, 6	9	
40F	40 (+1 -0)	251 +/- 10	L = 600	W = 450	750 +/- 12	(2,0 ± 0,25)	2, 3, 6, 9	12	
75F	75 (+1 -0)	252 +/- 10	L = 1 000	W= 500	750 +/- 12	(2,0 ± 0,25)	2, 3, 6, 9	15	



# What really makes a difference is adherence to the protocol during tests.

Indian Standards (BIS) and European Standards (EN) have both laid out their unique method of fire rating tests.

While both standards are largely similar in-principle, the real difference lies in how closely the standards are guarded and not compromised at the time of carrying out the tests.





# At Ceasefire we carry out our EN Rating Tests in European union certified labs.

While there are lot of private labs in India which carry out Fire Rating tests, the standards and procedures where are often compromised, **at Ceasefire thanks to our European Certification requirements, all our rating tests are conducted only in European Union certified labs.**

This lends tremendous credibility to our ratings as compared to what's offered by the industry.



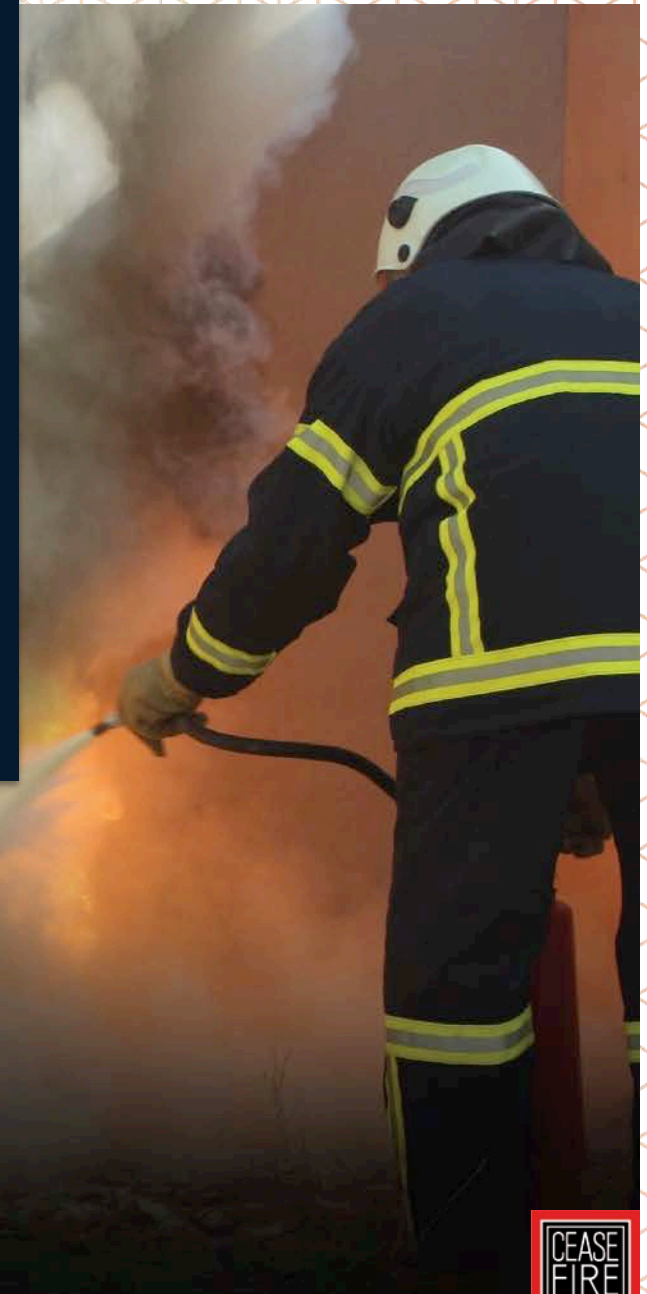
# Power when you need it

At Ceasefire we have built & tested our fire extinguishers to such impeccable standards that as a result they carry highest Fire Ratings.



# Upto 3 Times Higher Fire Ratings

Ceasefire fire extinguishers carry upto three times higher ratings than the industry average. This is the biggest testimony of our supreme quality.





# Lets look at the Fire Ratings of Ceasefire Extinguishers



Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
CEASEFIRE	3A,70B	4A, 144B	6A, 183B	6A, 233B	21B	1A,34B	2A,34B	3A	4A	3A, 144B	4A, 233B	34B	55B

# When compared with what's available in the industry...





# Ceasefire Vs the Rest on Fire Ratings

Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
<b>Safex</b>	1A, 8B	2A, 34B	4A, 55B	6A,89B	8B	1A,13B	21B		2A		4A, 89B	13B	21B
<b>Kannex</b>	1A, 21B	2A, 34B	3A, 55B	4A,89B	1A,13B	1A,21B	1A,34B	2A	2A	1A, 13B	2A, 21B	8B	21B
<b>Supermax</b>	1A, 13B	2A, 21B	3A, 21B	6A, 144B	1A,8B	1A,13B	2A,21B	2A	3A	2A, 34B	3A, 55B	8B	34B
<b>Minimax</b>	1A, 8B	2A, 55B	3A, 21B		1A,8B	1A,13B	1A,21B		2A		2A, 21B	8B	13B
<b>Excellent Engineering</b>	8B		3A, 21B						2A		3A, 13B	8B	21B
<b>Fireshield Engg Equipment</b>	1A, 8B	1A, 13B	2A, 21B	3A,34B					3A		3A, 34B	8B	13B
<b>Intime Fire Appliances</b>	1A, 8B	2A, 21B	3A, 34B							2A, 21B	4A, 34B		
<b>Lifeguard Unitex</b>	2A, 13B	3A, 21B	3A, 34B	4A,55B	1A, 8B,C	2A, 13B,C	3A, 21B,C	2A	3A	2A, 21B	3A, 55B	8B	21B
<b>Safeguard</b>	2A, 13B	2A, 21B	3A, 21B	4A,34B				3A	4A	2A, 21B	4A, 34B	8B	21B
<b>Superex Kaynap</b>	1A, 8B	2A, 21B	3A, 21B	4A,34B				1A	2A	1A, 21B	2A, 34B	8B	21B
<b>CEASEFIRE</b>	<b>2A,70B</b>	<b>4A, 144B</b>	<b>6A, 183B</b>	<b>6A, 233B</b>	<b>21B</b>	<b>1A,34B</b>	<b>2A,34B</b>	<b>3A</b>	<b>4A</b>	<b>3A, 144B</b>	<b>4A, 233B</b>	<b>34B</b>	<b>55B</b>

\* Source: Manufacturer's websites and brochures



# Ceasefire Vs the Rest on Fire Ratings

Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
<b>Safex</b>	1A, 8B	2A, 34B	4A, 55B	6A,89B	8B	1A,13B	21B		2A		4A, 89B	13B	21B
<b>Kannex</b>	1A, 21B	2A, 34B	3A, 55B	4A,89B	1A,13B	1A,21B	1A,34B	2A	2A	1A, 13B	2A, 21B	8B	21B
<b>Supermax</b>	1A, 13B	2A, 21B	3A, 21B	6A, 144B	1A,8B	1A,13B	2A,21B	2A	3A	2A, 34B	3A, 55B	8B	34B
<b>Minimax</b>	1A, 8B	2A, 55B	3A, 21B		1A,8B	1A,13B	1A,21B		2A		2A, 21B	8B	13B
<b>Excellent Engineering</b>	8B		3A, 21B						2A		3A, 13B	8B	21B
<b>Fireshield Engg Equipment</b>	1A, 8B	1A, 13B	2A, 21B	3A,34B					3A		3A, 34B	8B	13B
<b>Intime Fire Appliances</b>	1A, 8B	2A, 21B	3A, 34B							2A, 21B	4A, 34B		
<b>Lifeguard Unitex</b>	2A, 13B	3A, 21B	3A, 34B	4A,55B	1A, 8B,C	2A, 13B,C	3A, 21B,C	2A	3A	2A, 21B	3A, 55B	8B	21B
<b>Safeguard</b>	2A, 13B	2A, 21B	3A, 21B	4A,34B				3A	4A	2A, 21B	4A, 34B	8B	21B
<b>Superex Kaynap</b>	1A, 8B	2A, 21B	3A, 21B	4A,34B				1A	2A	1A, 21B	2A, 34B	8B	21B
<b>CEASEFIRE</b>	2A,70B	4A, 144B	6A, 183B	6A, 233B	21B	1A,34B	2A,34B	3A	4A	3A, 144B	4A, 233B	34B	55B



**Upto 6 times  
more**

\* Source: Manufacturer's websites and brochures

# Ceasefire Vs the Rest on Fire Ratings

Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
<b>Safex</b>	1A, 8B	2A, 34B	4A, 55B	6A,89B	8B	1A,13B	21B		2A		4A, 89B	13B	21B
<b>Kannex</b>	1A, 21B	2A, 34B	3A, 55B	4A,89B	1A,13B	1A,21B	1A,34B	2A	2A	1A, 13B	2A, 21B	8B	21B
<b>Supermax</b>	1A, 13B	2A, 21B	3A, 21B	6A, 144B	1A,8B	1A,13B	2A,21B	2A	3A	2A, 34B	3A, 55B	8B	34B
<b>Minimax</b>	1A, 8B	2A, 55B	3A, 21B		1A,8B	1A,13B	1A,21B		2A		2A, 21B	8B	13B
<b>Excellent Engineering</b>	8B		3A, 21B						2A		3A, 13B	8B	21B
<b>Fireshield Engg Equipment</b>	1A, 8B	1A, 13B	2A, 21B	3A,34B					3A		3A, 34B	8B	13B
<b>Intime Fire Appliances</b>	1A, 8B	2A, 21B	3A, 34B							2A, 21B	4A, 34B		
<b>Lifeguard Unitex</b>	2A, 13B	3A, 21B	3A, 34B	4A,55B	1A, 8B,C	2A, 13B,C	3A, 21B,C	2A	3A	2A, 21B	3A, 55B	8B	21B
<b>Safeguard</b>	2A, 13B	2A, 21B	3A, 21B	4A,34B				3A	4A	2A, 21B	4A, 34B	8B	21B
<b>Superex Kaynap</b>	1A, 8B	2A, 21B	3A, 21B	4A,34B				1A	2A	1A, 21B	2A, 34B	8B	21B
<b>CEASEFIRE</b>	<b>2A,70B</b>	<b>4A, 144B</b>	<b>6A, 183B</b>	<b>6A, 233B</b>	<b>21B</b>	<b>1A,34B</b>	<b>2A,34B</b>	<b>3A</b>	<b>4A</b>	<b>3A, 144B</b>	<b>4A, 233B</b>	<b>34B</b>	<b>55B</b>



**Upto 2.5  
times more**

# Ceasefire Vs the Rest on Fire Ratings

Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
<b>Safex</b>	1A, 8B	2A, 34B	4A, 55B	6A,89B	8B	1A,13B	21B		2A		4A, 89B	13B	21B
<b>Kannex</b>	1A, 21B	2A, 34B	3A, 55B	4A,89B	1A,13B	1A,21B	1A,34B	2A	2A	1A, 13B	2A, 21B	8B	21B
<b>Supermax</b>	1A, 13B	2A, 21B	3A, 21B	6A, 144B	1A,8B	1A,13B	2A,21B	2A	3A	2A, 34B	3A, 55B	8B	34B
<b>Minimax</b>	1A, 8B	2A, 55B	3A, 21B		1A,8B	1A,13B	1A,21B		2A		2A, 21B	8B	13B
<b>Excellent Engineering</b>	8B		3A, 21B						2A		3A, 13B	8B	21B
<b>Fireshield Engg Equipment</b>	1A, 8B	1A, 13B	2A, 21B	3A,34B					3A		3A, 34B	8B	13B
<b>Intime Fire Appliances</b>	1A, 8B	2A, 21B	3A, 34B							2A, 21B	4A, 34B		
<b>Lifeguard Unitex</b>	2A, 13B	3A, 21B	3A, 34B	4A,55B	1A, 8B,C	2A, 13B,C	3A, 21B,C	2A	3A	2A, 21B	3A, 55B	8B	21B
<b>Safeguard</b>	2A, 13B	2A, 21B	3A, 21B	4A,34B				3A	4A	2A, 21B	4A, 34B	8B	21B
<b>Superex Kaynap</b>	1A, 8B	2A, 21B	3A, 21B	4A,34B				1A	2A	1A, 21B	2A, 34B	8B	21B
<b>CEASEFIRE</b>	<b>2A,70B</b>	<b>4A, 144B</b>	<b>6A, 183B</b>	<b>6A, 233B</b>	<b>21B</b>	<b>1A,34B</b>	<b>2A,34B</b>	<b>3A</b>	<b>4A</b>	<b>3A, 144B</b>	<b>4A, 233B</b>	<b>34B</b>	<b>55B</b>

 Upto 6 times  
more



# Ceasefire Vs the Rest on Fire Ratings

Brand Name	ABC Powder				Clean Agent			Water		Foam		CO2	
	2kg	4kg	6kg	9kg	2kg	4kg	6kg	6ltr	9ltr	6ltr	9ltr	2kg	4.5kg
<b>Safex</b>	1A, 8B	2A, 34B	4A, 55B	6A,89B	8B	1A,13B	21B		2A		4A, 89B	13B	21B
<b>Kannex</b>	1A, 21B	2A, 34B	3A, 55B	4A,89B	1A,13B	1A,21B	1A,34B	2A	2A	1A, 13B	2A, 21B	8B	21B
<b>Supermax</b>	1A, 13B	2A, 21B	3A, 21B	6A, 144B	1A,8B	1A,13B	2A,21B	2A	3A	2A, 34B	3A, 55B	8B	34B
<b>Minimax</b>	1A, 8B	2A, 55B	3A, 21B		1A,8B	1A,13B	1A,21B		2A		2A, 21B	8B	13B
<b>Excellent Engineering</b>	8B		3A, 21B						2A		3A, 13B	8B	21B
<b>Fireshield Engg Equipment</b>	1A, 8B	1A, 13B	2A, 21B	3A,34B					3A		3A, 34B	8B	13B
<b>Intime Fire Appliances</b>	1A, 8B	2A, 21B	3A, 34B							2A, 21B	4A, 34B		
<b>Lifeguard Unitex</b>	2A, 13B	3A, 21B	3A, 34B	4A,55B	1A, 8B,C	2A, 13B,C	3A, 21B,C	2A	3A	2A, 21B	3A, 55B	8B	21B
<b>Safeguard</b>	2A, 13B	2A, 21B	3A, 21B	4A,34B				3A	4A	2A, 21B	4A, 34B	8B	21B
<b>Superex Kaynap</b>	1A, 8B	2A, 21B	3A, 21B	4A,34B				1A	2A	1A, 21B	2A, 34B	8B	21B
<b>CEASEFIRE</b>	<b>2A,70B</b>	<b>4A, 144B</b>	<b>6A, 183B</b>	<b>6A, 233B</b>	<b>21B</b>	<b>1A,34B</b>	<b>2A,34B</b>	<b>3A</b>	<b>4A</b>	<b>3A, 144B</b>	<b>4A, 233B</b>	<b>34B</b>	<b>55B</b>

 Upto 4 times  
more



# The De-rating Factor

A very important aspect associated with Fire Ratings is the De-ratings factor which essentially highlights the fact that

fire tests are conducted in controlled lab environments where fires are fought with best fire extinguishers and highly trained fire fighters.



However, in real life fire emergencies it will be mostly untrained people in highly chaotic, fearful situations who will have to battle the flames. **To compensate for the “amateur / untrained” aspect of the person fighting the flames in real life, the achieved ratings of the fire extinguishers must be De-rated by 2.5 times.**



# Ceasefire's 3X Ratings compensates for the amateur firefighter in you.



While other manufacturers only talk about their Fire Ratings obtained under test conditions (which too is upto 3 times lower than Ceasefire)

Ceasefire's 3 times higher Fire Ratings easily compensate for the "2.5 De-Rating Factor" so that **you still have enough fire fighting power on your side to win your battle against fire.**



# What is backing our extinguishers?



Selakui, Dehradun, India

- A world class, **fully integrated**, manufacturing facility
- A production process that complies with the **Factory production Control (FPC)** requirements of the world's highest quality standards - **EN3, EN1866, LPCB, BSI, PED.**
- State-of-the-art **deep draw station** for container manufacturing

# What is backing our extinguishers?



- In-house **valve manufacturing** unit
- A **fully automatic and** de-humidified, agent filling station
- **PESO** approval for pressure filling
- **Best in class paint shop**
- Most advanced **Quality control** lab





## Continuuous R&D

At the core of the Ceasefire promise is our massive investments in continuous R&D.

Our fire specialists, product engineers and technologists continuously strive to develop newer, more powerful product solutions that are aimed at safeguarding a wide variety of high fire-risk spaces and establishments.



**Today the Ceasefire Quality is endorsed by the World's top-notch Quality Agencies.**

Ceasefire extinguishers today meet, and in many cases surpassing, the most brutal test standards laid out in the world – EN3,7 to 8 and EN1866, IS15683 and IS16018.





A large fire is burning in a field, with a massive plume of orange and yellow flames rising into the sky. In the background, two firefighters in full gear are visible, one holding a hose. The scene is set outdoors with trees and a hazy sky in the distance.

# These Superior Fire Ratings are indeed a final reflection of all our quality campaigns

## Why?

- Our products are manufactured to highest quality standards defined in the global fire safety markets
- Our productions today inherently complies to the Factory Production Control (FPC) requirements of the world's leading quality standards and agencies including EN, LPCB, BSI and PED.
- We are the only fire safety brand in India to offer a fire fighting range certified to both, Indian + European Standards
- Our overseas export quality is 100% the same as our domestic range.



