



burnguard

LIFE SAVING CHEMISTRY

FLUORINE-FREE

FIRE EXTINGUISHING AGENTS

incendin.com

SAVING LIVES THROUGH INNOVATION

Burnguard is a leading developer and manufacturer of the world's most comprehensive portfolio of fire extinguishing powders, water additives and foams.

Burnguard is the preferred supplier to a wide range of customers across many industries worldwide.

These include the world's leading manufacturers of:

- portable extinguishers,
- fire brigades,
- large industrial companies,
- oil and petrochemical refineries,
- tank storages,
- electricity plants,
- airports,
- oil & gas exploration,
- military,
- and others.



RAISING THE BAR OF INNOVATION AND ENVIRONMENTAL PROTECTION

Burnguard develops life-saving chemistry solutions for every scenario, sitting at the forefront of fire safety and fire protection. Thanks to our 25-year history, we are a firefighting powerhouse, with deep expertise and cutting-edge innovations across a wide range of firefighting and fire protection applications.

In its ambition to promote a cleaner fight against fire, Burnguard pioneered in the launch of fluorine free fire suppression technology through its FFX[®] and FFC[®] product portfolio. It eliminates the use of life-long chemicals and prioritizes environmental responsibility - without compromising on effectiveness.



EXTINGUISHING POWDERS

Products	Main inhibiting agent	Content	Product conformity
ABC Powder	Monoammonium Phosphate	20-90%	All types of dry chemicals comply with the latests applicable standards of EN 615.
BC Powder	Potassium Sulphate	20-80%	
	Potassium salts and sodium	90%	
	Sodium Bicarbonate	97%	
D Powder	Chlorides	79%	

WATER ADDITIVES

Product	Fire class	Expected rating according to EN 3-7 (6L Extinguisher)			KIWA NTA 8133 (9L extinguisher)
		A	B	F	
Additives					
FFX [®] Booster A	A	21A-55A			
FFX [®] Compact	B		183B		
Premix Additive (Ready to use)					
FFX [®] 150	ABF	27A	144B	25F	
FFX [®] 200	ABF	21A	183B	25F	
FFX [®] Premix -20	AB	21A	144B		
Orchidee FX	AF	21A		75F	
Rühl RC-50	AF	21A		75F	
Li-Ion Batteries agent					
FFX [®] Lion	Li-Ion	21A			PASS



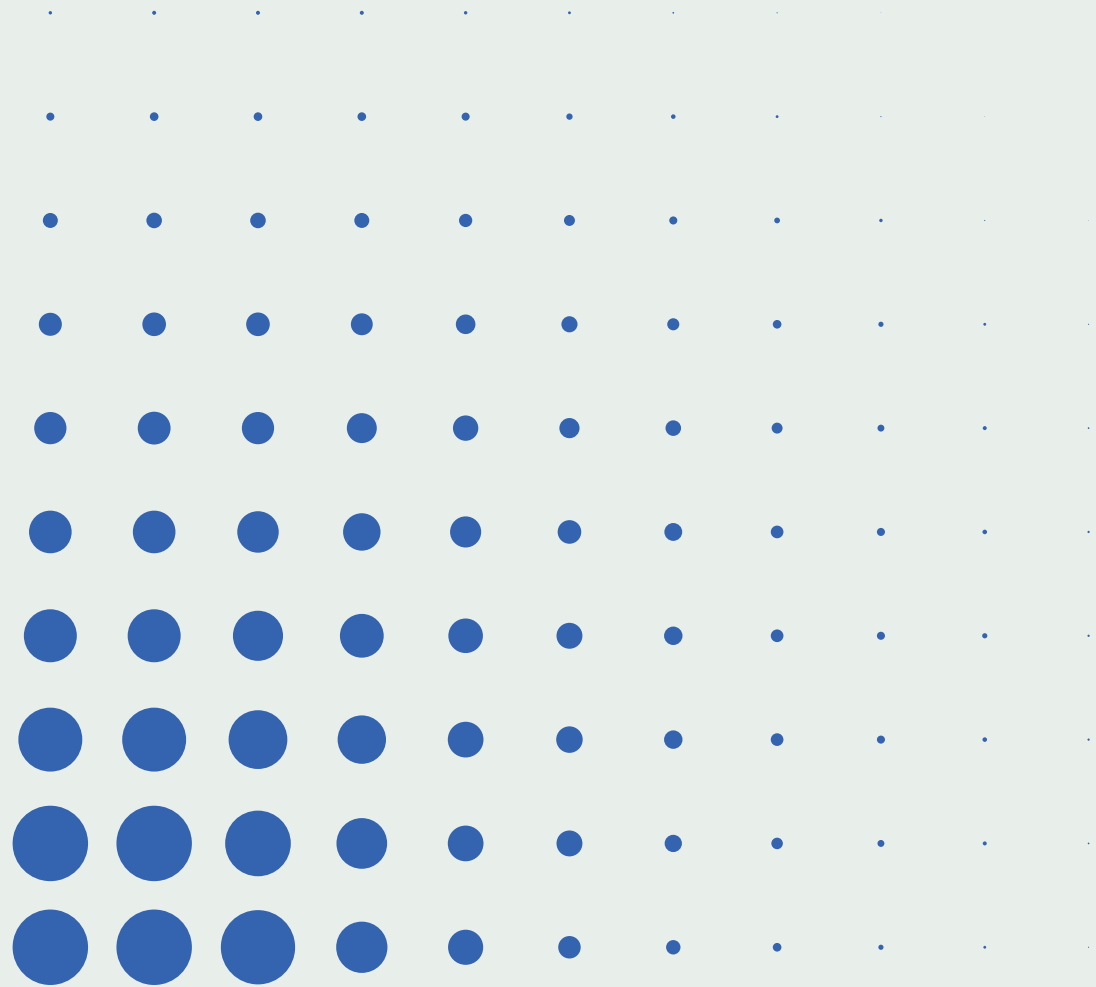
Product	Burnguard Training Foam 1% & 3%	Orchidex Class A	Orchidex A	Orchidex A Royal
Product class	Training foam	Class A foam / Wetting agent		
Wetting agent admixing rate	0,3%	0,1%	0,1%	0,1%
Non-polar solvents admixing rate	3%	1,0%	0,5% - 1,0%	0,5% - 1,0%
CAFS suitable	Yes	Yes	Yes	Yes
Type of expansion	Low expansion, Medium expansion, High expansion			
Viscosity	Newtonian			
Antifreeze	-4°C	-10°C	-17°C	-30°C
Minimum use temperature	-3°C	-9°C	-16°C	-29°C
Certification	-	EN 1568:2018 - 1,2,3	EN 1568 - 1,2,3 CEREN	EN 1568 - 1,2,3
Primary use and main applications	Training foam not for fire fighting	<ul style="list-style-type: none"> • Class A+B fires • Municipal fire brigades / Industrial fire brigades • Wetting Agent • Solid fires, plastic and tires • CAFS-optimized • Forest fire 		

Product	Orchidex ME 3% F	FF 3% HP	FFC 1% N-TP	FFC 3% N
Product class	Multi expansion			
Wetting agent admixing rate	0,1%	0,3%	0,1%	0,3%
Non-polar solvents admixing rate	3%	3%	1%	3%
CAFS suitable	Yes	Yes	Yes	Yes
Type of expansion	Low expansion, Medium expansion, High expansion	Low expansion, Medium expansion	Low expansion	
Viscosity	Newtonian	Pseudoplastic	Newtonian	
Antifreeze	-18°C	-7°C	-15°C	-0.7°C
Minimum use temperature	-17°C	-6°C	-10°C	0°C
Certification	EN 1568:2018 - 1,2,3 CEREN	EN 1568:2018 - 1,3 GESIP	EN 1568:2018 - 3 GESIP	EN 1568:2018 - 3
Primary use and main applications	<ul style="list-style-type: none"> • Class A+B fires • Municipal fire brigades • Chemical and petrochemical industries • Tank storage facilities • Power plants • Mining industry • Marine • Flooding of basements, large halls and areas 	<ul style="list-style-type: none"> • Class A+B fires • Foam extinguishing systems • Chemical and petrochemical industries • Tank storage facilities 	<ul style="list-style-type: none"> • Chemical and petrochemical industries • Tank storage facilities • Power plants • Mining industry • Replacement for AFFF stockpiles 	

Product	FFC 3000	FFC 3% ICAO
Product class	Wetting agent / Li-lo agent	Aviation security
Wetting agent admixing rate	0,1% - 3%	0,3%
Non-polar solvents admixing rate	3%	3%
CAFS suitable	-	Yes
Type of expansion	Wetting agent Non foaming	Low expansion
Viscosity	Newtonian	
Antifreeze	-3°C	-10°C
Minimum use temperature	-2°C	-9°C
Certification	-	EN 1568:2018 - 3 ICAO Level B
Primary use and main applications	<ul style="list-style-type: none"> • Class A fires • Battery fires • Li-lo fires • Forest fire • WGK: non-hazardous to water • Efficient cooling effect • Emulsifying effect 	<ul style="list-style-type: none"> • Class A+B fires • Especially for use at airports • Powerful on kerosene and Jet A1

Product	Orchidex Bluefoam 1x3	Orchidex Bluefoam 3x3	Orchidex Bluefoam 3x6	Orchidex FF ARC 3x3 F-HP	FFC AR 3x3 1+A
Product class	Alcohol resistant foam				
Wetting agent admixing rate	0,1%	0,1%	0,1%	0,3%	0,3%
Non-polar solvents admixing rate	1%	3%	3%	3%	3%
Polar solvents admixing rate	3%	3%	6%	3%	3%
CAFS suitable	Yes	Yes	Yes	Yes	Yes
Type of expansion	Low expansion, Medium expansion, High expansion				Low expansion
Viscosity	Pseudoplastic				Low viscous
Antifreeze	-15°C		-18°C		-5,9°C
Minimum use temperature	-11°C	-11°C	-11°C	4°C	-5°C
Certification	EN 1568 -1,3,4	EN 1568:2018 - 1,3,4 Lastfire good-good-good ICAO Level B GESIP VDS	EN 1568 - 1,3,4	EN 1568:2018 - 1,2,3,4 IMO	EN 1568:2018 - 3,4 GESIP
Primary use and main applications	<ul style="list-style-type: none"> • Class A+B fires • Fires of polar hydrocarbons • Municipal fire brigades / Industrial fire brigades • Chemical and petrochemical industries • Tank storage facilities • Warehouses • Airports • Plastic Industry and storage • Marine 				





MEET INCENDIN

Incendin implements reliable technology, develops and produces environmentally responsible chemistry for both Passive (flame retardant and fire-resistant materials) and Active (fire extinguishing agents) Fire Protection solutions.

We serve our customers with fully integrated, tailor-made solutions, partnering from initial R&D to just-in-time deliveries, based on deep application knowledge, production know-how, recognized brands and strong intellectual property.

Under the Burnguard brand Incendin develops and markets environment-friendly, high-performing and recyclable powders, water additives and foams for both portable and fixed extinguishing systems.

Get in touch

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