Ppam building

PAM GLOBAL® Plus

PAM GLOBAL®Plus
EN 877 CE A2-s1, d0
Plus



High performance drainage solutions for agressive fluids

PAM GLOBAL[®] Plus

Designed for for buildings discharging aggressive effluents

In environments such as hospitals, laboratories, collective kitchens, laundries, and parking facilities, the discharge of wastewater containing aggressive effluents presents a significant challenge. These settings require specialized sanitary drainage solutions that can withstand the harsh chemical and thermal conditions.

The PAM GLOBAL® PLUS range is specifically engineered to meet these demands, offering robust resistance to aggressive effluents and high temperatures, ensuring long-term durability and reliability in even the most demanding applications.



rinse, acid cleaners, degreasers...

acids, bases, salts...

detergents, rinsing fluids...

temperature oils

The advantages of cast iron with additionnal core and outer guard



Two-component ochre-coloured epoxy coating applied in two layers, average dry film thickness of 250 µm

> Cast-iron Made with the De Lavaud process

Outer guard

- Anti-corrosive layer zinc coating of 130 g/m^2
- External coating Grey, acrylic primer paint, average dry film thickness of 40 µm

Chemical & corrosion resistance

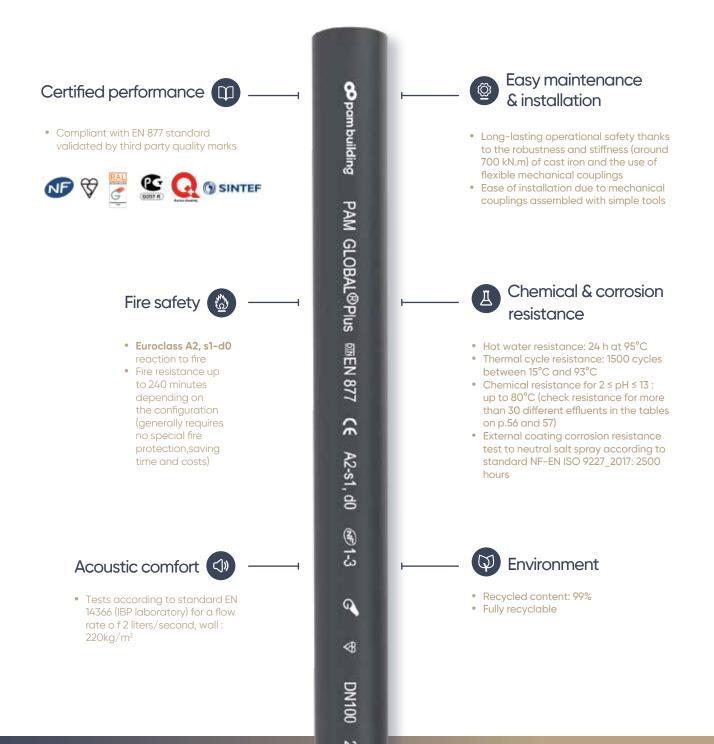
Resistance to the most common aggressive effluents for the intended applications. Test conditions as recommended by the supplier manufacturer.

	Description	Solution/medium	Dilution	Ph	Temperature of use (°C)	PLUS RANGE
	Highly alkaline detergent designed for use in dishwashers	Suma special L4	2 ml/l	/	60°C	OK
	Acidic rinse specially designed for use on a wide range of dishwashers	Suma CRYSTAL A8	0,1 ml/l	/	80°C	OK
	Concentrated acid cleaner for descaling small equipment	Suma calc D5	50 ml/l	/	20°C	OK
Kitchen	Degreaser-disinfectant-bactericide	Suma Chlorsan D 10.4	1%	11,5	20°C	OK
Laundries	Highly concentrated and phosphate-free detergent	Clax Revoflow PRO 0-P 35X2	4g/kg	11	60°C	OK
	Softening agent	Clax Revoflow Deosoft breeze 54x1	0,2 ml/l	3	20°C	OK
	Highly concentrated medium temperature activated oxygen bleach for fabric washing	Clax Revoflow OXI 4XP2	2 g/kg	9,9	60°C	OK
	Low-foaming disinfectant detergent for cleaning and disinfecting floors and surfaces	TASKI Sprint DS 5001	1%	9,5-11,3	20°C	ОК
	Soft soap	Aniosafe (Aniosafe savon doux HF)	pure	7,9	40°C	OK
Health care	Disinfectant	Soluscope A	0,06%	5,5	40°C	OK
	Concentrated detergent and pre-disinfectant for ENT and TEE machines	Soluscope C+ (chlorure d'amonium)	0,50%	2,5	40°C	ОК
	Disinfectant	Soluscope P (acide parasétique)	0,06%	1,5	40°C	ОК
	Detergent for automatic washing machines and washing tunnels	Aniosyme Synergy WD ultra	0,50%	10	55°C	ОК
	Détergent pré-désinfectant pour nettoyer les instruments médicaux	Anio (Aniosyme X3)	0,50%	7,5	20°C	ОК
	Pre-disinfectant cleaner for medical and surgical instruments	Anios Clean Excel D	0,50%	7	20°C	ОК
	Disinfectant for surgical equipment	Actanios HLD	pure	5	20°C	NOK
	Detergent, disinfectant for the treatment of surgical equipment	Actanios LDI	0,50%	12	55°C	ОК
	Neutralising rinsing fluid with lubricating effect for dental and medical instruments	Anios RWH	0,30%	2,5	55°C	ОК
	Disinfectant for hemodialysis generator circuits and water treatment circuits	Anios Oxyanolyse	3%	2,5	20°C	ОК
	Acid rinsing product · Contains surfactants	Anios LB 30	0,30%	2	55°C	ОК
	Concentrated rinsing detergent for the treatment of thermal wash basins	Anios LB 400	0,30%	2,5	55°C	ОК
	Neutral disinfectant detergent - concentrate. Bactericide, fungicide, virucide	Degragerm Smart Dose - Taski	1%	11	20°C	ОК
	Broad spectrum disinfectant detergent for non-porous surfaces - Bactericide, Virucide, Levuricide	Oxivir Excel	4%	1,5	20°C	OK
	Detergent / descaler for sanitary facilities	TASKI Sani Antikal	pure	1,5	20°C	ОК
	Renovating detergent for floor maintenance in large and medium-sized stores	TASKI Jontec Combimarket	15%	13	20°C	ОК
High temperature oils		Petroleum	pure		20°	ОК
		Gasoline	pure		20°	OK
		Diesel	pure		20°	ОК
		Lubricants, petroleum derivates	pure		20°	ОК
		High temperature oils	pure		80°	OK

		Solution/medium	Formule	Dilution	Ph	Temperature of use (°C)	PLUS RANGE
Laboratories Indutries	Water		Salt water	30 g/l	5,5	80°	ОК
			Desalinated water	pure	6,5	80°	OK
	Mineral acids	Hydrochloric acid	HCI	5%	1	20°	OK
		Sulphuric acid	H ₂ SO ₄	10%	1	20°	OK
		Phosphoric acid	H ₃ PO ₄	10%	1,3	20°	OK
		Phosphoric acid	H ₃ PO ₄	2,5	2	80°	OK
		Nitric acid	HNO ₃	10%	2	20°	OK
	Organic acids	Lactic acid	C ₃ H ₆ O ₃	10%	1,1	20°	OK
		Citric acid	C ₆ H ₈ O ₇	5%	2	80°	OK
		Vinegar		30%	2,9	20°	OK
	Bases	Soda solution(sodium hydroxide)	NaOH	0,01 mol/l	12	80°	OK
		Soda solution(sodium hydroxide)	NaOH	1 mol/l	13,5	20°	OK
		Ammonia(sodium hydroxide)	NH3	1 mol/l	12	80°	OK
		Potash	КОН	2 mol/l	13,5	20°	OK
		Potash	КОН	2 mol/l	13,5	80°	NOK
	Salts	Potassium chloride	KCI	3%	4,2	20°	OK
		Sodium phosphate monobasic	NaH ₂ PO ₄	3%	4,2	20°	OK
		Ammonium sulphate	(NH ₄) ₂ SO ₄	3%	6,7	20°	OK
	Solvents (except acetone)	Glykol	C ₂ H _o O	pure		20°	OK
		Ethanol	$C_2H_6O_2$	pure		20°	OK
		Methanol	CH ₃ OH	pure		20°	OK
		Xylene	C _a H ₁₀	pure		20°	OK
		White spirit		pure		20°	OK

PAM GLOBAL[®] Plus Designed for intensive use

The Plus range is a high-performance cast iron pipes and fittings system designed to withstand intensive use. Smartly designed to drain wastewater in above-and below-ground applications when exposed to hot and/or aggressive discharge. When installed below ground in aggressive environments it is highly resistant to external stresses.



PAM GLOBAL[®] Plus Industrial expertise for safety and durability



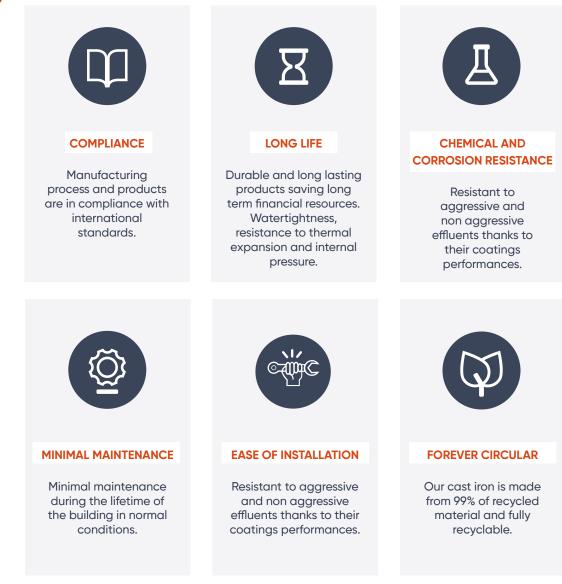
Manufacturing process

After casting, the pipes are specifically heat-treated at a 950°C temperature. They are cooled slowly and evenly. This thermal post-treatment leads to a rosette shaped formation of the graphite and thus to improved mechanical properties of the cast iron: among other things, the residual stresses are reduced and the tensile strength increases.

As a result, PAM GLOBAL® cast iron pipes are particularly easy to cut.

With thermal post-treatment, the cast iron pipe becomes softer and achieves a strength value of 210 HB measured according to Brinell hardness (HB). The pipes are therefore easy to machine.

Cast Iron, a long lasting and noble material



PAM GLOBAL® Plus

Our products are installed worldwide

Some of the key references where our Plus solution is installed

01. Onassis Hospital · Athens, Greece
02. CHU Agadir · Morroco
03. Dubai Opera House · Dubai, UAE
04. Clinica Unversidad de Navarras · Madrid, Spain

& more...









YOU HAVE A PROJECT? ASK OUR EXPERTS



Technical support

We can provide you bill of quantities, recommendations, information about acoustics, fire protection, or any other topic you have.



Bespoke development

Upon request, we can provide special designs of fittings outside the ranges offered in our catalog. Send us your details and we will provide a response concerning the feasibility within two days.



BIM library

- Generic cast iron EN 877 BIM library
- Plus range EN 877 BIM library

www.pambuilding.com

tcbatiment.sgpam@saint-gobain.com · Tel: +33 (0)3 66 88 19 47

P pam building

For 150 years, we have been designing, manufacturing and supplying high-quality drainage systems for residential and commercial buildings and engineering structures.

We work exclusively with cast iron, a noble and durable material, of which we are a specialist and leader.

As a leading manufacturer, we claim excellence in our processes, products and services.

As a responsible manufacturer, we are at the forefront of sustainable performance to help reduce the carbon footprint of the construction sector.

As an innovative manufacturer, we put all our creative audacity into developing new, more specific and more efficient technologies, to deliver better products for your future needs.

Over **400** employees

Sales in more than **50 countries**

2 manufacturing sites

Bayard sur Marne in France
Telford in England

for our products:

1st business in the cast iron industry to have published a third-party validated Environmental Product Declaration (EPD) + 58 : our indicator « Employee Net Promoter » that reflects the number of staff willing to become Ambassadors of the company (on a scale of -100 to +100)

35% female managers

1/3 internships and work- study contracts converted to full employmacontracts

Committed to reducing our impact on the environment



Our mission: the safety and durability of buildings

Our cast iron solutions and systems contribute to ensure the comfort, safety and durability of the most demanding residential and commercial buildings. Their characteristics allow them to contribute to HQE, BREEAM, LEED and other international environmental certifications.



Recycling of metal waste

Our products are made of 99% recycled materials (mainly scrap metal), which can be recycled indefinitely. Cast iron is a simple and sustainable material that allows a smart reuse of materials. Resistant, reliable and durable, cast iron has a bright future ahead of it. In 2021, we recycled the equivalent of of21,000 cars.



Our ambitious goals for 2028-2030

Reducing carbon emissions directly linked to the cast iron pipe manufacturing process: a project for a electric furnace, a low-carbon energy source in France, was opened in 2024 for commissioning by 2028-2030 at our Bayard-sur-Marne site. A key step in pursuing the company's ambitions in terms of circular economy and environmental responsibility



Customer service Opening hours : 8.30am -5.30pm (frenchtime) Tel: +33 83 80 76 50/53/54 Fax: +33 3 _3 80 76 57

Pam Building

21 avenue Camille Cavallier BP 129 54705 PONT-À-MOUSSON Cedex, France Tel : +33(0)3 83 80 67 89 www.pambuilding.com

Safe & forever circular