

Safety Data Sheet – Pacifyre® FPM Fire Protection Mortar

in accordance with Directive (EC) No. 1907/2006 - Trade name: Pacifyre® FPM Fire Protection Mortar

pagina 1 van 5

1. Identification of the substance or preparation and company name	
■ Trade name	Pacifyre® FPM Fire Protection Mortar
■ Using the substance/the preparation	Dry mortar for mixing with water and the subsequent grouting of machine/concrete parts and for use with concrete construction parts.
■ Manufacturer/supplier	J. van Walraven Holding B.V. Industrieweg 5, 3641 RK Mijdrecht The Netherlands
■ Telephone	The Netherlands +31 (0)297 23 30 00 // Germany: +49 (0)921 75 60 0
■ Emergency information	Poison Control Centre Bonn 0228 19240 (Information Centre for North-Rhein Westphalia)

2. Potential hazards	
■ Description of hazard	Xi, irritant.
■ Additional indications of risk for humans and the environment	R 38 Irritating to skin. R 41 Risk of serious eye damage.

3. Composition/information on ingredients						
■ Chemical characterization	Preparation consisting of mineral bonding agents, aggregates and additives.					
■ Hazardous ingredients	Designation	CAS no.	Contents	Unit	Code letter	R values
	Portland cement	65 997-15-1	1 - <25%	M - %	Xi	R 38, R 41
(The wording for the R values can be found in section 16.)						

4. First-aid measures	
■ General information	Remove any items of clothing contaminated by the product immediately.
■ Following inhalation	Obtain fresh air. In the event of unconsciousness, place and transport the affected person in the recovery position. If symptoms persist, seek medical advice.
■ Following skin contact	Remove soaked clothing. Wash skin immediately with plenty of soap and water. If symptoms persist, seek medical advice.
■ Following eye contact	Rinse out eye immediately with plenty of water with the eyelid held open (for around 10 minutes). Never attempt to rub the product out of the eye without water as additional damage may occur to the cornea as a result of mechanical friction. Always consult an eye specialist.
■ After swallowing	If swallowed, seek medical advice immediately and show the packaging or label.

5. Fire-fighting measures	
■ Suitable extinguishing agents	Choice of extinguishing agents will depend on the surrounding fire. The product itself is not flammable.
■ Unsuitable extinguishing agents on safety grounds	Jet-type water extinguisher.
■ Special hazards due to preparation	Extinguishing water produces an alkaline reaction.
■ Special protective equipment for fire fighting	Self-contained breathing apparatus.
■ Other information	Dispose of contaminated fire-fighting water in accordance with official regulations.

6. Accidental release measures	
■ Person-related precautionary measures	Ensure sufficient ventilation is provided. Avoid build-up of dust. Avoid substance contact with the eyes and skin and inhalation.
■ Environmental protection measures	Do not allow the product to enter the sewerage system, surface water or ground water. The responsible authorities must be informed if the product enters the water or sewerage system.

Safety Data Sheet – Pacifyre® FPM Fire Protection Mortar

in accordance with Directive (EC) No. 1907/2006 – Trade name: Pacifyre® FPM Fire Protection Mortar

pagina 2 van 5

6. Accidental release measures – continued	
■ Cleaning/picking-up procedure	Pick up spilt powder mechanically, if necessary take the wind direction into account and minimise the drop height when the product is restacked. Do not sweep dry residue. Clean up mixed mortar mechanically, allow to harden on a foil base or in a vessel and dispose of in accordance with Point 13.
■ Further information	None.

7. Handling and storage	
■ Recommendations on safe handling	Avoid build-up of dust. When using mortar supplied in sacks and with open mixers, put water in first, then carefully add the dry mortar. Tip from as low a point as possible. Start mixing at a slow speed. Empty bags may not be stored by pressing together, neither loose nor compressed within one bag. Avoid any contact with the eyes or skin by using personal protective equipment (as per Point 8). Ensure adequate ventilation or if necessary wear breathing apparatus as per Point 8. When working, never kneel in fresh mortar.
■ Recommendations in case of fire and explosion	None.
■ Requirements for stores and containers	Always keep in original packaging. The product should always be stored with the container tightly shut in a cool, well ventilated location. The product must be protected against moisture. Never store the product in corridors or on stairways.
■ Information on storage with other materials	Store away from acids.
■ Further information on storage conditions	Protect from moisture.
■ VbF class	Not applicable.

8. Limiting and monitoring exposure/personal protective equipment

8a. Exposure limits in the workplace and/or biological tolerance values

■ Workplace exposure limits (WEL) for Germany	Designation	CAS no.	Value	Unit
	Portland cement	65 977-15-1	5 (E)	mg/m ³
■ Further information	None.			
■ Additional information on the construction of technical installations	No special measures required.			
■ General protection and hygiene measures	Whilst processing the product, do not eat, drink or smoke. After processing, wash any unprotected body parts with water. The use of a rehydrating skin cream is recommended. Remove soaked clothing.			
■ Respiratory protection	Where exposure classes are exceeded (e.g. possible during making-up), use FFP1 fine particle half mask [white] (see Leaflet BGR 190 2).			

8b. Limiting and monitoring exposure in the workplace

■ Hand protection	Wear nitrile-coated cotton gloves with CE symbol (see Leaflet BGR 195 2). Observe the maximum wearing time. Leather gloves are not suitable due to their water permeability.
■ Eye protection	Where dust is produced or there is danger of spray, wear close-fitting protective glasses.
■ Body protection	Wear long-sleeved protective clothing, fastened correctly and protective footwear.
■ Skin protection	Follow skin protection plan as per BGR 197 2. In particular, use skin care product after work.

Safety Data Sheet – Pacifyre® FPM Fire Protection Mortar

in accordance with Directive (EC) No. 1907/2006 - Trade name: Pacifyre® FPM Fire Protection Mortar

pagina 3 van 5

9. Physical and chemical properties				
■ Aggregate state	Solid; powder.			
■ Colour	Gray.			
■ Smell	Odourless.			
■ Safety information		Value/range	Unit	Method (67/548/EC)
	Melting point/range:	> 1.000	°C	
	Boiling point/range:	-----	°C	n.a.
	Flashpoint:	-----	°C	n.a.
	Flammability:	-----		n.a.
	Ignition temperature:	-----	°C	n.a.
	Self-ignitability:	-----	°C	n.a.
	Danger of explosion:	-----		n.a.
	Explosion limits:	-----		n.a.
	Vapour pressure:	-----	hPa	n.a.
	Density at 20°C:	1,2 g/cm ³		
	Solubility (degree of hydration):	insoluble		
	ph value:	12 (10%)		
	Comparison of distribution coefficient.:	-----	log POW	n.a.
	Viscosity type:	-----	C	n.a.
Solvent separation test:	-----	%	n.a.	
Solvent content:	-----	%	n.a.	
10. Stability and reactivity				
■ Conditions to avoid	Ingress of moisture.			
■ Materials to avoid	Acids.			
■ Dangerous decomposition by-products	n.a.			
11. Toxicology				
■ Primary irritant effect	n.a.			
■ For the skin	Irritation to skin or mucous membranes.			
■ To the eyes	Highly irritating to eyes with the risk of serious eye damage.			
■ Sensitisation	No sensitizing effect known.			
■ Further information	Based on the calculation procedure in accordance with the latest valid version of the German Chemicals Regulation, the product presents the following hazards: Irritant.			
12. Environmental information				
■ Ecotoxicity	Water hazard class 1 (self-classification): low aquatic toxicity. Do not allow undiluted or large quantities of the product to enter the ground water, water system or sewerage system. Rinsing large quantities of the product into the sewerage or water systems can raise the pH value. An increased pH value causes damage to aquatic organisms. Diluting the application concentration greatly reduces the pH value. Consequently any waste water entering the sewerage system following use of the product will represent a low aquatic hazard only.			
■ Mobility	n.a.			
■ Persistency and degradability	n.a.			

Safety Data Sheet – Pacifyre® FPM Fire Protection Mortar

in accordance with Directive (EC) No. 1907/2006 – Trade name: Pacifyre® FPM Fire Protection Mortar

pagina 4 van 5

12. Environmental information – continued	
■ Potential for bio-accumulation	n.a.
■ Grading	-----
■ Evaluation text	
■ Other information	Preparation consisting of mineral materials, biologically non-degradable.
■ Behaviour in environmental compartments	n.a.
■ Exotoxicity	
■ Aquatic toxicity	-----
■ Comments	Modified pH value; potential deleterious effects for aquatic organisms.
■ Behaviour in sewerage systems	-----
■ Comments	-----
■ Respiratory inhibition due to activated sludge in waste water EC 20	mg/l to ISO 8192 B.
■ General information	Water hazard class 1 (self-classification).

13. Recommendations for disposal	
■ Material/preparation	
■ Recommendations	Do not dispose of the product in the domestic waste system. Do not allow to contaminate drainage system.
■ European Waste Catalogue	10 13 11 Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10. 17 09 03 Other construction and demolition wastes (including mixed wastes) containing dangerous substances. 15 01 02 Plastic packaging.
■ Verontreinigde verpakking	Dispose of in accordance with official regulations.

14. Transport regulations	
■ Not a hazardous material as defined by transport regulations.	

15. Regulations – Identification to hazardous substances regulation § 5 (GefStoffV) in conjunction with EU directives 1999/45/EC and 67/548/EEC	
■ Product code letter and risk phrase	Xi (irriterend).
■ Hazardous components which must be listed on the label	Contains Portland cement.
■ R values	R38 : Skin irritant. R41 : Risk of serious eye damage
■ S values	S22 : Do not breathe dust. S24/25: Avoid contact with the skin. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29/56: Do not allow product to enter sewerage system; dispose of this product and its packaging at hazardous or special waste collection points. S37/39 : Wear suitable gloves and eye/face protection.

Safety Data Sheet – Pacifyre® FPM Fire Protection Mortar

in accordance with Directive (EC) No. 1907/2006 - Trade name: Pacifyre® FPM Fire Protection Mortar

pagina 5 van 5

15. Regulations – continued	
■ If the product can be accessed by all, also	S2 : Keep out of the reach of children
	S46 : If the product is swallowed, seek medical advice immediately and show the packaging or label.
■ Other information	GIS-CODE: ZP1 (cement-based product, low in chromate).
■ German national regulations	
■ Additional classification according to hazardous substances regulation (GefStoffVO), annex II	None.
■ Recommendations on employment restrictions	German Young Persons Employment Act [JarbSchG], German Occupational Health and Safety Act [ArbSchG], German Maternity Protection Act [MuSchRiV].
■ Hazardous Incident Ordinance	-----
■ Classification to VbF	-----
■ Technical information on ventilation	-----
■ Water hazard class	Water hazard class 1 (self-classification).
■ Other regulations, restrictions and prohibitions	§ 20 German Hazardous Substances Regulation (GefStoffV) [User Instructions]. German regulation on the use of personal protective equipment [PSA-BV]. German accident prevention regulation [UVV], Personal protective equipment, German Contractual Employees Act [VBG 1]. German Accident Prevention Regulation [UVV], German Occupational Healthcare, German Contractual Employees Act [VBG 100], German Ordinance on Public Notification [G 24 BekV], Annex 1-No. 5101, Fact Sheet 1103. German Technical Regulations for Hazardous Substances 613 [TRGS 613].

16. Other information	
All information provided within this document is based on our present level of knowledge. This information describes our product with respect to health and safety requirements; however, it does not provide a guarantee for particular properties of the product. It is the responsibility of the user to comply with existing legislation, regulations and standards.	