



ADMIX

Issue date – AWC-1/0403

AIR-ENTRAINING ADMIXTURE

WATER REDUCING PLASTICISER

PROTECTS MORTARS AGAINST FROST

DESCRIPTION:

An aqueous solution of wood resin based plasticisers and air-entraining agents for use as a mortar admixture to give excellent trowelling workability and long-term durability for use in applications such as bricklaying; pointing; rendering; plastering and screeding. PALACE ADMIX reduces the need for added lime in a sand cement mix, whilst at the same time giving improved levels of workability, making for easier placement of mortar. The benefits of improved plasticising properties allows for levels of water reduction, which not only reduce the risk of drying shrinkage and cracking, but also results in higher long-term strength development in the hardened mortar. Further to this the benefits of ADMIX's micro-dispersed air-entrainment are increased resistance to frost damage within the hardened mortar.

MIX GUIDELINES:

The mix ratios shown below are taken as a general guideline to what is perceived as common good site practice. The amount of admix recommended per 25 kg of cement is quoted across a range as the coarseness of the sands used can have a significant effect on the workability of the resultant mix:

APPLICATION	Parts SAND	Parts CEMENT	ADMIX addition
Bricklaying	6 - 8	1	Range from 50mls Up to 150 mls per 25 kg of Portland Cement
Bedding	4 - 6	1	
Pointing	3 - 4	1	
External rendering	4	1	
Internal Plastering	4 - 6	1	

APPLICATION METHOD:

Always add ADMIX to the mixer water before charging with sand and cement. NEVER add direct to the dry cement or sand. To account for the water reducing properties of ADMIX always start the mix with a minimal required volume of water then top up to just about achieve the desired consistency, allowing complete and homogenous mixing to be achieved at all stages.

HEALTH & SAFETY:

ADMIX is an alkaline solution and may cause irritation to skin and eyes in much the same way as the mixed cement mortars will irritate skin. Always wear suitable protective clothing, including overalls, alkali resistant gloves or gauntlets; safety boots and safety goggles where splashes are a perceived risk. Any clothing contaminated with splashes of ADMIX should be changed and laundered immediately to prevent any risk of prolonged skin contact.

STORAGE & PACKAGING:

ADMIX is supplied in 5 litre and 25 litre polythene containers and must be stored in sealed secure conditions away from sources of heat, or exposure to low temperatures and frost.

Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

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SUBSTANCE IDENTIFICATION:			
ADMIX MORTAR PLASTICISER			
COMPOSITION: An aqueous solution of refined natural resins and synthetic air entraining agents.		HAZARDS CLASSIFICATION: Non Hazardous	
FIRST AID MEASURES:			
INHALATION: If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.	SKIN CONTACT: Wash off skin with warm soapy water. The dilution will not cause irritation, but prolonged and unattended contact with the mixed mortar should be avoided	INGESTION: Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.	EYE CONTACT: Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.
FIRE FIGHTING MEASURES: This product is a NON-FLAMMABLE water based concentrate.			
ACCIDENTAL RELEASE MEASURES: Absorb spillages on sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for low-hazard water based Building chemicals.			
HANDLING & STORAGE: Store in sealed, clearly marked containers either as a concentrate or in its diluted form. Keep out of reach of children in a cool well-ventilated environment – Protect from frost, heat and direct sunlight.			
EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:			
Respiratory: Good ventilation is required otherwise use an organic vapour filtered face mask in confined spaces.	Hand: Wear 17" long elbow length heavy duty natural rubber gloves or gauntlets approved to EN 374 & EN 420 with a BTT rating of > 8 hrs for 50% caustic sol'n.	Eye: BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact	Skin: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately.

SAFETY DATA SHEET No. 01

PRODUCT: ADMIX - MORTAR PLASTICISER

PHYSICO-CHEMICAL PROPERTIES:		
Appearance – Dark brown, free-flowing liquid. Miscibility – Water only Ph – 10.0 – 11.5 Density – 1.005 Odour – Distinctive wood resin odour. Viscosity - < 40cps	Boiling point - 101°C Explosion limits - n/a Flash Point - n/a Vapour pressure - N/D Melting point - n/a Colour - Dark Brown	
STABILITY & REACTIVITY: Storage in frost affected conditions or at elevated temperatures will affect the performance stability of the product, however there are no known adverse/unsafe reactions should this product be inadvertently contaminated.		
TOXICOLOGICAL INFORMATION: LC50 – Readily disperses and biodegrades in water, but will cause localised high alkalinity and discolouration Acute toxicity – Irritating to eyes and skin.		
Acute toxicity: Irritates skin Corrosivity - N/A	Sensitisation: n/a Mutagenicity: n/a	Carcinogenicity: n/a Reproductive toxicity: n/a
ECOLOGICAL INFORMATION: Ecotoxicity – Acute fish toxicity – not known. Biodegradable in both fresh and salt water.		
DISPOSAL CONSIDERATIONS: Dispose according to Local Authority regulations for aqueous, low hazard emulsion based building chemicals.		
TRANSPORT INFORMATION: Not subject to CPL / ADR restrictions When transporting overseas, classify as IMO Class 3.3 – Marine pollutant.		
REGULATORY INFORMATION: CHIP Classification – Not applicable - Irritating to eyes and skin when in mixed mortar. Wear suitable protective clothing. Do not dispose into ponds or watercourses. The use of this product at work will be subject to an assessment in accordance with the 1994 COSHH regulations.		
FURTHER INFORMATION: The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work.		