

TECHNICAL DATA SHEET

Date of issue: 23.01.2024

Version: 2.0

Description	ATM Mortar Plasticizer Additive No. A11 is a ready-to-use construction chemical which designed to apply in concrete mixing. It helps to promote the mixture to be more viscous, retarded and easy to use with more efficiency workability. It provides strength with more durable and better adhesion on concrete or rendering surfaces. Cost and time saving.											
Application	Suitable for using in brickwork mortar or cement sand render/ plaster.											
Technical data	Product type	Concrete admixture.										
	Appearance	Viscous liquid in milky white colour.										
	Specific gravity (water = 1)	0.9 – 1.1										
	Viscosity	70 – 80 at 25 °C										
	pH	9 - 11										
	Mixed ratio (additive solution)	ATM No. A11 : Water = 1 : 100 Litre(s).										
	Pot life (Cement mixture)	2 hours at 25 °C										
Instruction	Preparation & Mixing	- Prepare the additive solution by mix ATM Mortar Plasticizer Additive No. A11 with water under mixed ratio 1 : 100 (by volume). Stir well. - Apply the additive solution into Portland cement and sand with a recommended ratio as following table; <table><tr><th>Portland cement</th><th>Sand</th><th>Additive solution</th></tr><tr><td>50 kg</td><td>150 kg</td><td>50 Litres</td></tr><tr><td>100 kg</td><td>300 kg</td><td>100 Litres</td></tr></table> <u>Notes:</u> These numbers are theoretical proportion. By the practical, user can adjust the quantity to be appropriate in application while keep the additive solution ratio as recommended. - Mix the admixtures until it is homogeneous.		Portland cement	Sand	Additive solution	50 kg	150 kg	50 Litres	100 kg	300 kg	100 Litres
	Portland cement	Sand	Additive solution									
50 kg	150 kg	50 Litres										
100 kg	300 kg	100 Litres										
Application	Use the mixture to apply on bricklaying or rendering. Water can be added to adjust the viscosity.											

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Recommendation	➤ Always mix ATM Mortar Plasticizer with water before use. Do NOT mix product directly into Portland cement. ➤ Do NOT add any chemical additives into mixture. ➤ Excessive quantities of ATM Mortar Plasticizer results too many bubbles trapped in the mortar, which produces weak mortar with poor durability ➤ Pot life of mixture (with cement) is 2 hours by approximately.
Theoretical mixed ratio	1 Litre/ Cement 100 kg (2 bags)
Storage & shelf life	Best before in 1 year (sealed container). Keep in a cool dry and well-ventilated place. Avoid direct to sunlight. Always keeps the container tightly closed when not in use and use again after correct storage.
Safety, health & environment information	Keep out of reach of children. Use in a well-ventilated area. Avoid contact with skin or eyes. Prolonged or repeated exposure may cause skin dryness or dermatitis. If on skin, wash with plenty of soap and rinse skin with clean water. If in eyes, rinse cautiously with water for several minutes. Do not use empty container for food stuff. Do not empty into drains.
Packing	1 Litre/ 5 Litres/ 18 Litres
Disclaimer:	<i>The above information provided herein is based on the present state of our knowledge and practical experience. Since the product is often used under different conditions beyond our control. We cannot guarantee anything but the quality of the product itself. All the rights are reserved to change the data without any notice.</i>