

ZeroPlus™

Bed Joint Mortar for Porotherm Cellular Clay Masonry

ZeroPlus™ When you need to build in the cold, fast.

Porotherm ZeroPlus™, Mortar from Wienerberger, allows you to build in lower temperatures.

Unlike existing thin-joint and conventional mortars that are for use at 3°C and above, ZeroPlus™ mortar is designed to work at temperatures from 0°C and rising.

Wienerberger has developed ZeroPlus™ to work exclusively with the Porotherm Cellular Clay Block Walling System.

- **Maximising build time in winter** – earlier starts on cold days
- **Extra build time in winter** – up to 2 weeks additional build time
- **Reducing downtime** – reduced risk of stoppages for building contractors
 - **Proven performance** – validated by Lucideon
- **Supplied free** – with the Porotherm clay block walling system

ZeroPlus™ and Porotherm, keeping Britain building all year round.

TECHNICAL INFORMATION

Storage and Processing Instructions
Available as 12.5kg bag

MIXING

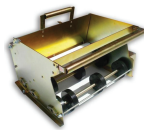
Two methods of application are suitable for ZeroPlus™ mortar.

Standard Roller
(UK Core Range)



3.1 ltr water per
12.5kg bag

Sledge Roller
(Monolithic Range)



2.8 ltr water per
12.5kg bag

APPLICATION METHOD

Stir quickly and vigorously (using an agitator / paddle mixer) until a smooth, lump free consistency is produced. Allow to stand for 5 minutes and then stir again.

The mixed mortar is transferred from the bucket into the special Porotherm mortar roller. Mortar is normally applied to a 5 to 6m length of horizontal joint using the designated mortar roller. The speed of rolling with either roller and the angle of application with the standard roller must be adjusted to ensure that an even mortar layer is applied and covers the entire surface area of the horizontal joint.

PROCESSING

Processing Time: Protected mortar; Approximately 4 hours at 20°C, but will be extended at lower temperatures and reduced at higher temperatures. The mortar can be periodically re-mixed but no further water should be added.

Processing Temperature: Use only when the air temperature is at least 0°C and rising. Please be aware that internal situations may be colder than external and any wind chill factor must be taken in to consideration. Do not use when blocks or existing work are frozen. Do not mix with water that is partially frozen or is thawing.

Mixing water should always be from a mains tap that has not been frozen. In addition, early strength development will be reduced at low temperatures and therefore, the blocks and mortar must be adequately protected at all times with appropriate insulating covers prior to and after application so that fresh masonry does not fall below 0°C. Mixing in an insulated bucket with an insulated lid is strongly recommended.

HEALTH & SAFETY WARNING POROTHERM ZERO PLUS

Label In Accordance With (EC) No. 1272/2008

CONTAINS ORDINARY PORTLAND CEMENT

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Precautionary Statements

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust.
P262	Do not get in eyes, on skin, or on clothing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local regulations.

SUPPLIER

Wienerberger Ltd
Wienerberger House, Brooks Drive, Chaele
Cheshire, SK8 3SA 0161 491 8200



ADVICE

The information provided herein is based on extensive tests and practical experience. It does not apply to every application situation. For this reason we recommend that suitable site trials are carried out to determine optimum procedures.



Wienerberger Ltd
Wienerberger House
Brooks Drive
Chaele Royal Business Park
Cheshire
SK8 3SA

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WIEN0001

EN 998-2:2010-12

POROTHERM ZERO PLUS
Designed thin layer mortar for internal and external use in elements subject to structural movements

Compressive strength
initial shear strength
Contents of chloride
Reaction to Fire
Water absorption
Water vapour permeability coefficient
Thermal conductivity/density
W/(m.K)
Aggregate size
Correction time
Workable life
Durability against freeze thaw

Category M10
0.3N/mm² dec. value
0.01% Cl
Class A1
0.07kg/m²min³
μ = 25
λ₁₀, dry, mat = 1.17
dec based on density
≤ 1mm
> 7 minutes
> 2 hours
Evaluation based on provisions valid in the intended place of use of the mortar
see safety data sheet

Dangerous substances

Approved PPE must be worn when using this product.



Our general terms and conditions apply. The product has a shelf life of at least 12 months when stored correctly. Conforms to EN 998-2.

For full conditions of use contact the
Porotherm team on 0161 491 8200
www.wienerberger.co.uk/porotherm

12.5kg