



PURSTONE ONE WALL

30.10.2023 | VERSION 4

UV stable polyurethane binder for wall system application

ADVANTAGES

- 2 in 1 (penetration is part of the binder)
- Application on vertical surfaces without the need for formwork
- High water and chemical resistance
- Application to unlimited heights
- 100% UV stability

SPECIFICATIONS

Possibility of use:

Can be used on different types of substrates on vertical surfaces

Exterior use (stairs, walls, plinths, walls, column repairs ...)

Possibility of application outdoors - light shades of aggregate

Possibility of application with marble pebbles fraction 2-4 mm, 4-7 mm, with river pebbles fraction 2-5 mm

Restrictions:

The material is not suitable for applications with river pebbles in the 4-8 mm fraction!

Packaging:

Retail packing: 2 kg + 0.26 kg plugs, this quantity is for 1 pack of aggregate

Wholesale packing: 10 kg + 1.3 kg plugs, this quantity is for 5 packs of aggregate

Storage:

6 months at temperatures above +5 °C to +25 °C, in the original packaging in a shaded place. Use the opened packaging as soon as possible (the binder reacts with humidity).

APPLICATION PART

Preparing the substrate:

The substrate must be clean, dry, firm and load-bearing (compressive strength min. 20 MPa). The substrate must be free of dust, dirt, loose parts, old paint and grease/oil stains. Sand and vacuum the surface before application.

The substrate must be primed with the binder itself and the aggregate and binder applied to the 'live' primer.

Application procedure for penetration:

Weigh 800 g of polyurethane binder into a plastic bucket, add 80 g of plug (10% plug to binder). Mix this mixture with a low speed mixer (max. 400 rpm) for 2 minutes (until a pasty white mass is formed, without lumps).

Apply the prepared mixture (primer) with a brush, roller or trowel in as thin a layer as possible, but so that it is compact.

PENETRATION	
Binder	Plug
800 g	80 g

If a contact layer is applied to the substrate, a layer of stone carpet can be applied. The stone carpet must be applied to the live (non-setting) primer within 50 minutes of the application of the primer itself.

Application procedure for stone carpet:

Pour 25 kg of aggregate into the prepared construction bucket of appropriate volume, add 1.2 kg of polyurethane binder to the aggregate and mix properly with a low-speed mixer (max. 400 rpm) for 3 minutes (all stones must be coated with binder).

Add 0.18 kg (180 g) of plugging agent to the mixture thus prepared, mix this mixture with a slow speed mixer (400 rpm) for 2 minutes.

The mixture must be compact "the pebbles must stick together".

AGGREGATE WITH BINDER		
Aggregate	Binder	Plug
25 kg	1,2 kg	0,18 kg

The prepared and thickened mixture of binder and aggregate is applied with a stainless steel trowel to the vertical surface, which is covered with a primer layer. The trowel must be pressed to ensure that the mixture adheres well to the vertical surface. Wipe the trowel with S6006 thinner during the installation process so that the surface can be properly smoothed.

The mix has a workability time of 50 minutes from mixing.

Attention:

Due to the humidity in the packaging, a coating may form on the surface of the mixture during its shelf life, but this is not detrimental and the material underneath can be used!

Safety:

See safety data sheet PurStone One Wall, PurStone One Wall Plug

**ATTENTION! MOISTURE IN THE AGGREGATE MAY CAUSE FOAMING OF THE MATERIAL.
ALWAYS WORK WITH DRIED AGGREGATE! PAY ATTENTION TO AGGREGATE BATCHES!**

PROCESSING DATA

Processability	50 minutes at +20 °C
Full loadability	2 days at +20 °C
Volume weight	1,10 kg/l
Cohesion	≥ 0,3 Mpa

APPLICATION VIDEO**CZ: TOPSTONE s.r.o.**

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