DC INDUSTRIES

SPECIFICATIONS

PREMIUM PU

is an advanced high-performance, bacteriostatic, one component polyurethane grout. It is designed for virtually all residential and commercial installations and offers optimum performance on the most demanding exterior or interior applications. Premium PU is a fast setting suitable for joints 1 mm – 6 mm wide on floors, walls, or pools. Premium PU is a resinus (R), for grouting (G) improved (2), class RG2 according to EN 13888. Premium PU is a one-component, polyurethane resin-based decorative grout, with glass micro-spheres and other special components which set in reaction with the moisture. It has an excellent resistance to acids, easy workability and is very easy to clean. The joints must be dry, clean, free from dust and empty down to at least 2/3 of the thickness of the tiles. Any adhesive or mortar which has seeped into the joints while laying the tiles must be removed while still fresh. Before grouting, make sure the installation mortar or adhesive has set and that most of the moisture has evaporated.

TECHNICAL DATA

Product identity

Component A
Consistency:thick paste
Colour: Different colors
Density (Kg/Lt):1.65
Dry solids content (%):100
Brookfield viscosity (mPa·s):
800,000 (# F - 5 rpm)
Classification: EN 13888

-Application data (at +23°C and 50% R.H.)
Mixing ratio: Readu for use
Application temperature range:
from +12°C to +30°C
Open time (according to EN 1346): 60 minutes
Adjustment time: 120 minutes
Set to light foot traffic: after 24 hours
Ready for use: after 4 days

-Final performances
Adhesion strength according to
EN 1348 (N/mm^2)
– Initial adhesion strength (after 28 days): 6.4
– Adhesion strength after heat: 5.8
– Adhesion strength after water immersion: 6.7
– Adhesion strength after freeze-thaw cycles: 6.7

Bond (shear strength) according to EN 12003 (N/mm^2):

– initial bond: 25
– after immersion in water: 24
– after thermal shock: 21
Flexural strength (EN 12808-3) (N/mm^2): 47
Compressive strength (EN 12808-3) (N/mm^2): 70
Resistance to abrasion (EN 12808-2): 55
Water absorption (EN 12808-5) (g): 0.01
Temperature resistance after final cure:
from -30°C to +90°C