

**DESCRIPTION**

PENNTEX is high solids water-based synthetic rubber compound based on modified elastomeric copolymers with inert fillers, pigments and selected aggregates. It is supplied as a pre-mixed heavy bodies single compound paste, which is easily applied by brush, trowel or spray to form upon drying a flexible, durable and decorative coating for interior and exterior use. As a heavy protective finish it will weatherproof and effectively bond to concrete, brick, wood, metal drywall and any other common substrate. It is resistant to sun light, rapid temperature changes, industrial atmosphere and environmental conditions.

APPLICATION

Prepare surface by removing all loose material, dust, dirt and grease, all surfaces must be flushed to obtain uniform finish. Extremely dirty or contaminated surface must be washed with diluted muriatic acid and water. Concrete and masonry surfaces may be repaired before application (SPEEDCRETE quick setting concrete mix is recommended). On metal apply one coat of Penn metal primer. On surfaces that have been previously painted sandblasting or wire-brushing may be required to provide soundbonded substrate with key. Coverage will vary with substrate and degree of texture and nature of application.

Average rate of application should not exceed one square litre (50 sq. ft. per gallon), for each coat. (Roller should be used only to apply texture pattern on material already applied by brush or spray).

Cracks, gaps and joints: Use PENNFLEX reinforcing fabric.

Cleaning brushes and tools: Immediately after use wash with water, or with varsol or xylene when dry and hard.

For more information on application and properties of this material contact the manufacturer.

This waterbased material is non-flammable and does not contain volatile or harmful vapours. It is safe to use in enclosed areas. Protect from freezing. KEEP OUT OF REACH OF CHILDREN.

PHYSICAL PROPERTIES & DATA

SOLIDS CONTENT	81.3%
WATER VAPOUR TRANSMISSION (ASTM C355-64)	0.0019 metric perms @ 125 mil
WEATHER RESISTANCE (ASTM E-822)	No effect after 2500 hours
COLOUR FASTNESS (ASTM E-188)	No after glow when test flame removed
FLAME RESISTANCE (CSGB 1-GP-71)	No after glow when test flame removed
ADHESION* (ORF METHOD)	22.5 psi (concrete block untreated) 39 psi (concrete block treated with sealer)
IMPACT RESISTANCE (CSGB 1-GP-71)	92 inch lbs.
HEAT-COLD CYCLING (SEE DESCRIPTION)	No delamination cracking or blistering after 10 cycles

**METHOD OF ANALYSIS**

Panelling was cut into four pieces 7" X 7", which underwent the following treatment: two of the blocks were run through ten freeze-thaw cycles under wet conditions. The second two blocks were run through ten freeze-thaw cycles under dry conditions. The freeze part of the cycle was 22°F for one hour. The wet freeze and thaw cycle pieces were immersed in water for five minutes before thawing (212°F) and for five minutes before freezing at 10°F.

*ORF SHEAR BOND TEST is more significant than ASTM C32L which test adhesion perpendicular to interface.

COVERAGE

Approximately 50 sq.ft. per gallon for 30 mil dry coat thickness.

APPLICATION

By trowel, spray or brush.

CURING

Dry to touch, - to 2 hours, recoating: after 1 hour, - final cure: 7 to 12 days.

LIMITATIONS

This waterbased material cannot be applied during rain, under wet conditions, immediately after rain or when rain is imminent. Extremely high or below freezing temperatures will limit the application of this material.

WARRANTY

PennKote Ltd. warrants its products against manufacturing and material defects. PennKote will, for a period of two years from the date of application, supply replacement material for product proven to be defective. This warranty is in lieu of any and all other warranties expressed or implied. Pennkote Ltd. and any Distributor or Retailer of this product accept no liability for incidental or consequential damage due to defective material or improper installation. The user shall determine the suitability of this product for intended use.