



Product Information

NANO

Product Description

Nano is a specially formulated high solids, water based acrylic adhesive which provides moisture resistance to 8lbs/1000sf/24hr, pH 10.0 and in-situ relative humidity of 85% when properly applied. This adhesive is suitable for use with vinyl composition tiles/planks, linoleum tiles, polyolefin tiles/planks, cushioned vinyl and vinyl-backed carpet tile, rubber tile/sheet <4mm, quartz tile and naked-backed cork flooring. This adhesive is not recommended for sheet vinyl due to its exceptionally fast set-up time.

Nano is solvent free, non-flammable, high solids, hard setting, extra strong and does not contain hazardous volatile organic compounds per OSHA CFR 1910. This is a specially formulated wet-set acrylic adhesive that bonds under high moisture conditions. Nano has a 10-hour cure, suitable for light traffic, from application and will not re-wet when installed properly.

Surface Preparation

All subfloors must be level, firm, dry, smooth and free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, densifiers, hardeners or any other foreign material that would inhibit bonding. Use only mechanical or physical methods to clean existing subfloor. Do not use sweeping compounds, vacuum areas prior to application. Fill cracks, holes, and depressions using a quality acrylic modified Portland cementitious compound. Roughen glossy surfaces or flooring with urethane wear layers.

Concrete floors must be free of excessive moisture and alkalinity. It is necessary that an independent series of moisture evaluations be conducted prior to installation per ASTM F1869, F710 and F2170 respectively, to determine vapor emission rate in order to satisfy warranty requirements.

Consult technical advise prior to installation if the resulting vapor emission tests are above 8.0 lbs/1000sf/24hr and/or pH above 10.0 and/or in-situ relative humidity exceeds 85%.

The installation area should be acclimated to at least 60° F for 24 hrs prior, during and 72 hrs following the installation procedure. Do not install if temperature exceeds 80° F.

The concrete MUST be porous in order to facilitate bonding with adhesive. DO NOT OVER WATER SKIM COAT, absorption of adhesive and loss of bond will result due to excessive porosity. Warranty will void.

To insure porosity it is recommended that the floor be shot blasted. The steel shot should not exceed #280 mesh. Aggressive shot blasting may require a cementitious skim coat and sanding prior to adhesive application.

Chemical & Physical Properties

Base:	Acrylic
Vehicle:	Water
Color:	White (dries clear)
Solids:	>55%
Density:	9.2lbs/gal
Flammability:	Nonflammable
Consistency:	Pourable Paste
Application:	Notched Trowel
Shelf Life:	One Year*

Application

Acclimate all materials prior to beginning the installation process. Due to varying subfloor conditions it is always recommended that an adhesion test be performed prior to the installation process in order to evaluate flash.

Follow trowel guide below for best results. Upon application allow adhesive to flash no more than 20min. This adhesive sets incredibly fast. Do not allow adhesive to remain exposed for more than 15min, this will result in telegraphing of trowel lines. Flash time will vary according to environmental conditions and substrate porosity. Areas should be protected from heavy foot traffic for at least 24hrs and furniture placement, fixture installation, wheeled traffic or maintenance operations for 72hrs.

Roll flooring with an articulated roller lengthwise, and then again at a right angle to the first line of direction per flooring manufacturer's instructions. Roll shortly after installation process and again within several hrs.

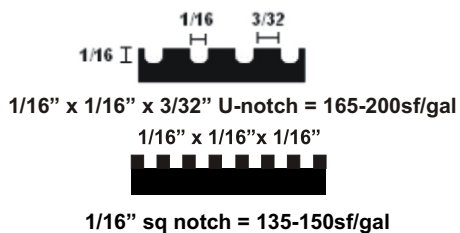
Curing

Cure suitable for light traffic: 10hrs
Set time: 20min

Clean Up & Storage

Remove wet adhesive from floor covering and tools with soapy water. Use mineral spirits to remove dried adhesive. The container should be kept closed between spreading cycles and after use. The product should be stored in the original container in a cool, dry place.

Trowel Performance Data



Packaging

Nano is available in 4.25gal natural high density plastic pails. For the name of a distributor near you, contact Customer Service at 714-429-9804.

Warranty

Formulators warrants NANO free from defects in material and workmanship for a period of five (5) years when properly installed, and not to delaminate due to moisture levels not to exceed 8.0lbs/1000sf per 24hrs, pH 10.0 and in-situ relative humidity of 85%, (shelf life limited to one year from date of manufacture, stored in an unopened container at 70°F), certified by an independent series of moisture tests in accordance with ASTM F1869, F710 and F2170 respectively and performed by a testing service of Formulators choosing.

Formulators excludes and will not pay consequential or incidental damages under this warranty. All remedies shall extend to the replacement of finished flooring materials and adhesive in affected areas only and as determined by Formulators. Formulators will not pay damages resulting from poor installation, loss of bond due to the dimensional characteristics of the flooring material, telegraphing of trowel marks through the flooring material, improper trowel selection, discoloration due to moisture, topically applied alkaline preparations, seam failures or voids, tears, rips, misapplied or residual curing compounds, residual mold release, leveling or patching compounds of any kind, improper preparation technique and any other condition beyond the control of Formulators and unrelated to the integrity of the adhesive.

The suitability of this product for an intended use shall be solely the users responsibility. Formulators makes no warranty of merchantability or fitness for a particular application, installation or purpose. No other warranty is expressed or implied.

For complete warranty information, see Formulators Performance Warranty.

