

# K A U F M A N

PRODUCT  
INFORMATION

KAUFMAN  
PRODUCTS  
INC.

3811 CURTIS  
AVENUE

BALTIMORE,  
MARYLAND  
21226-1131

410-354-8600  
800-637-6372  
www.kaufman  
products.net

## Thinfilm

### Description

Thinfilm represents a line of high quality, concrete curing compounds specially designed for both highways and commercial construction. These curing compounds form a thin membrane when sprayed or brushed on freshly finished concrete surfaces. This membrane keeps 95% or more of the gauging water in concrete for three days and affords maximum curing with a minimum expenditure for labor and materials. Thinfilm compounds are specially formulated to meet specific state highway specifications.

Kaufman Products now further develops these products by emulsifying them into a low VOC formula for a safer atmosphere. The inherent dangers of the old method of using flammable paint thinners are no longer necessary, emulsified clear Thinfilms come with their own unique white temporary dye, to assure even coverage without missed spots. Within a short time after application, the white color disappears and leaves the film completely clear. If desired, a red fugitive dye can also be added. White pigmented Thinfilms contain pure titanium dioxide pigment to reflect the heat of the sun. Due to the unique emulsification process, Kaufman Products white-pigmented cures do not settle and hard pack. Instead, they softly layer for easy re-mixing with air hoses.

### Uses

All Thinfilm products may be used on curbs and gutters, sidewalks, driveways, bridge decks, super structures, and runways. Thinfilm 420 is also a dissipating resin curing compound, making it ideal for interior use where subsequent floor coverings are to be used.

### Coverage

Specification work 150-200 ft<sup>2</sup>/gal (14-18.5 m<sup>2</sup>/gl.)

Non-specification work 200-400 ft<sup>2</sup>/gal. (18.5–37 m<sup>2</sup>/gl.)

### Packaging

5 gallon pail  
55 gallon drum  
275 gallon tote  
5,000 gallon bulk

### Clear

Thinfilm 420 Resin Base	ASTM C-309, Type I, Classes A & B
VOC 308 g/Liter	AASHTO M-148, Type I, Cl. A & B AR, CO, DC, DE, DC, FAA, FL, IA, KS, LA, MD, NH, RI, SC, TN, & VT
Thinfilm 420 W/ Red Dye Resin	ASTM C-309, Type ID, Classes A & B
VOC 308 g/Liter	AASHTO M-148, Type ID, Cl A & B AR, GA, KS, KY, MA, ME, MI, MO, MT, NC, ND, NH, NJ, NY, OK, PA, & TN
Thinfilm 422 Wax Base	ASTM C-309, Type I or I D, Class A
VOC 0 g/Liter	AASHTO-148, Type I, Class A GA, IL, KY, NJ, OH, SC, TN
Thinfilm 424 High Solids	ASTM C-309 Type 1 or 1D, Class A
Wax Based	AASHTO M-148, State of Virginia
VOC 0 g/Liter	Corps of Engineers CRD C-300

### White Pigmented

Thinfilm 445 Wax Base	ASTM C-309, Type II, Class A
VOC 3.1 g/Liter	AASHTO M-148 AL, AR, CO, DC, DE, FAA, FL, GA, IA, IN, KS, KY, LA, MA, MD, ME, MI, MO, MS, MT, NC, ND, NE, NJ, OK, PA, SC, SD, TN, UT, & WV
Thinfilm 446 High Solids	ASTM C-309, Type II, Class A
Wax Base	AASHTO M-148, Type II, Class A
VOC 3.1 g/Liter	Corps of Eng. CRD C-300 & VDOT
Thinfilm 447 Wax Base	ASTM C-309, Type II, Class A
VOC 12 g/Liter	AASHTO M-148, Type II, Class A State of Ohio
Thinfilm 450 Resin Base	ASTM C-309, Type II, Classes A & B
VOC 315 g/Liter	AASHTO M-148, Type II CO, CT, DE, FAA, GA, IA, KS, LA, MA, MD, ME, MI, MO, MS, MT, NC, ND, NE, NH, NJ, NY, PA, SC, SD, TN, & VT
Thinfilm 450 BLACK	ASTM C-309 Classes A & B
Thinfilm 453 High Solids	High Solids Resin Based
Resin Base	ASTM C-309, Type II, Classes A & B
VOC 280 g/Liter	AASHTO-M-148, Type II, Cl. A & B Corps of Engineers CRD C-300
Thinfilm 454 PAMS Cure	Poly Alpha Methyl Styrene (PAMS)
Resin Base	ASTM C-309, Type II, Classes A & B
VOC 250 g/liter	AASHTO M-148, Type II, Cls. A & B State of Pennsylvania
Thinfilm 456 PAMS Cure	35% Polyalphamethylstyrene (PAMS)
Resin Base	ASTM C-309, Type II, Classes A & B
VOC 266 g/liter	AASHTO M-148, Type II, Cls. A & B
Thinfilm 458 PAMS Cure	42% Polyalphamethylstyrene (PAMS)
Resin Base	ASTM C-309, Type II, Classes A & B
VOC 269 g/liter	AASHTO M-148, Type II, Cls. A & B

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## Directions

Stir well before using. If allowed to stand for a while, re-stir. Thinfilm should be spray applied or rolled on concrete surfaces after completion of the finishing operations and the disappearance of the surface moisture. Surface should be coated uniformly, avoiding pinholes, gaps, or puddles.

## Precautions

Clear or white pigmented Thinfilm curing compounds should not be used on concrete where secondary flooring or surface treatments are to be applied. However, Thinfilm 420 is a dissipating resin curing compound, and may receive floor coverings once the material has dissipated or been removed. Thinfilm 420 will leave a slight yellow film that will darken with sunlight (UV radiation) and will oxidize from both weathering and abrasion.

Wax based curing compounds are ruined if allowed to freeze or are handled by high-speed pumps or agitators. They should only be handled by using a type of diaphragm air pump or a positive displacement pump with 500 rpm or less. On "broom & cure" machines, insert a bypass valve to prevent constant recycling of cure into tank.

Resin based Thinfilm products are freeze/thaw stable. If allowed to freeze, thaw thoroughly before use. If using in the wintertime, bring product inside a day before use to thaw out.

If stored for extended periods, agitate gently before use. Do not use on concrete that has excess form release agent on the surface as it will impede a quality bond. Instead, clean the surface prior to application if excess oil is present. Clean equipment with EasiKleen EM for resin based versions and K Pro CD for all wax based versions. These products soften sprayer or pump parts made of Buna N. Do not roll or brush on concrete containing calcium chloride. We recommend using parts made from either Teflon or Viton. *Read Safety Data Sheet before using.*

For more complete instructions, please refer to "*Recommended Field Procedures for Curing & Sealing Compounds.*"

## Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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