

CONPLY A-IV

Product Description:

CONPLY A-IV consists of an extra heavyweight fibrous glass mat bound together with a resinous binder and completely coated with a weathering grade asphalt. The reinforcing glass mat consist of glass fibers that are uniformly distributed and aligned to impart strength in all directions while displaying excellent dimensional stability throughout.

Product Uses:

CONPLY A-IV is a high tensile strength, Type IV ply sheet for use in Conglas Systems IV hot applied built-up roofing systems, including mineral, smooth and gravel surfaced roof assemblies. CONPLY A-IV can be used as a component in BUR installation over nailable, non-nailable, and insulated roof membrane assemblies. Typical uses include installation over industrial, manufacturing, office and school buildings.

Product Compliances:

U.L. listed for use as a component in a Class "A" fire rated roof assembly. All rolls shall be labeled U.L. G-1
Approved and listed for use in F.M. rated roof membrane assemblies. All rolls shall carry the F.M. approval marking.
CONPLY A-IV meets or exceeds all requirements of ASTM D 2178, Type IV

Product Features/Benefits:

- Excellent breaking strength.
- Glass based - totally inorganic.
- Has uniform porosity.
- Won't rot or deteriorate.
- Hot application.

Packaging:

CONPLY A-IV weighs 60 lbs. per roll. One roll covers five roofing squares (540 sq. ft.). All rolls to be labeled with U.L., F.M., ASTM and other markings as appropriate.

Physical Properties*-material tested in compliance with ASTM D 2178 Type IV

A.	Breaking Strength, min, lbf/in. (kN/m):	
	Longitudinal	44 (7.70)
	Transverse	44 (7.70)
B.	Pliability, 1/2-in. (13mm) radius bend	no failures
C.	Net dry mass of asphalt impregnated glass felt, min, lb./100 ft. ² (g/m ²)	
	Average of all rolls	
	Nonmineral parting agent	6.2 (303)
	Mineral parting agent	7.0 (342)
	Individual rolls	6.0 (293)
D.	Moisture at point of manufacture, %, max.	1.0
E.	Mass of desaturated glass felt, min, lb/100 ft ² (g/m ²)	1.7 (83)
F.	Bituminous saturant (asphalt), min, lb/100 ft ² , (g/m ²)	3.0 (146)
G.	Ash, %	70 to 88
H.	Parting agent and stabilizer, max, lb/100 ft ² (g/m ²)	3.2 (156)

*Conglas Conply A-IV meets these specifications as minimum requirements

Product Application:

- EMBED CONPLY A-IV in shingle fashion, starting from the low point of the roof. CONPLY A-IV shall be lapped so the flow of water is over or parallel to, but never against, the laps. All end laps shall be at least 4" and adjacent end laps shall be at least 12" apart.
- EMBED the full width of each sheet in hot asphalt applied at a nominal rate of 30 lbs. per 100 sq. ft. of roof area. Each ply shall be lightly broomed, using a moderately soft commercial push broom, as it is applied. All plies shall extend two inches above the top of the cant strip, solidly adhered. Buckles or fishmouths shall be cut and repaired properly.
- VALLEYS/WATERWAYS shall receive an extra layer of CONPLY A-IV which shall be at least 36" wide. It shall extend at least 8" up inclines out of valleys. This ply shall be laid on top of base sheet prior to application of other plies. Embed the full width of each sheet in a uniform mopping of hot asphalt applied at a nominal rate of 30 lbs. per 100 sq. ft. of roof area.
- ON SLOPES exceeding 1-1/2" per foot, CONPLY A-IV shall be applied parallel to the slope of deck. On slopes 2" per foot and greater, the CONPLY A-IV shall be "back-nailed" as described in the Conglas "General Requirements".
- All application requirements from the Conglas "General Requirements" are considered part of these specifications.