TAPE-X™ Vinyl Acrylic Copolymer Emulsion for Tape Joint Compound

High-efficiency binder promoting increased tape bond adhesion

APEO-free binder allows formulators to lower binder dosages while maintaining or improving product performance.

Optimize your ready-to-use tape joint compound formula with TAPE-X™ vinyl acrylic copolymer emulsion from Dow Construction Chemicals. Designed for use in both light and regular weight formulas, TAPE-X™ allows formulators to reduce binder dosages without sacrificing performance. In fact, tape joint compounds formulated with TAPE-X™ exhibit increased bond adhesion even with the binder dose reduced by as much as 20%.

TAPE-X™ requires no special manufacturing processes and can be easily added to existing formulations. Designated

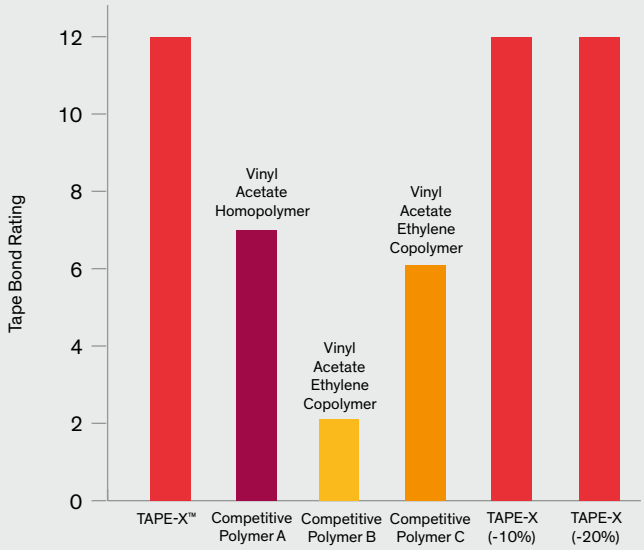
Typical Physical Properties

Property	Typical Values
Ionic Nature	Anionic
Solids %	47
pH	7.0
Brookfield Viscosity, cP	<100

APEO-free, TAPE-X™ is fully compatible with Dow's WALOCEL™ and METHOCEL™ line of thickeners. Use less and spend less with Dow's TAPE-X™ vinyl acrylic copolymer.

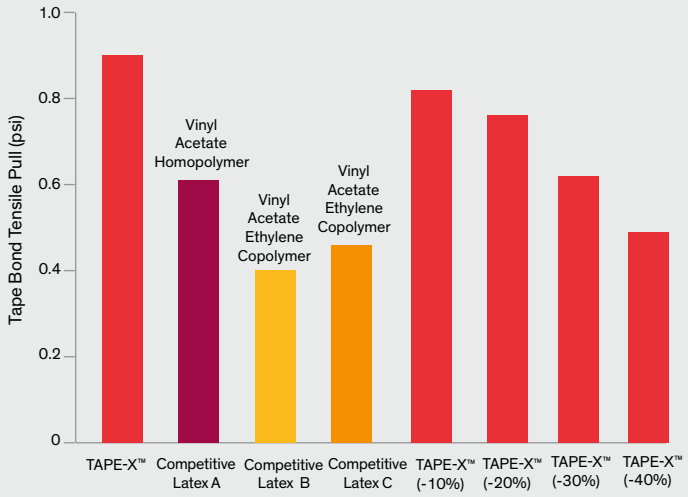
TAPE-X™ High Efficiency Latex for Tape Joint Compound

Tape Bond Adhesion – Visual Bond Rating Comparison
TAPE-X™ versus Competitive Latex Emulsions
Regular Weight Tape Joint Compound



TAPE-X™ provides significantly better bond, and allows for a significant reduction (10–20%) in dosage versus competitive latex. Results above are based on DCC's internal regular weight all-purpose TJC formulation containing 2.1% wet latex by weight.

Tape Bond Adhesion – Tensile Bond Pull Comparison
TAPE-X™ versus Competitive Latex Emulsions
Light Weight Tape Joint Compound



TAPE-X™ provides significantly better bond, and allows for a significant reduction in dosage (>20%) versus competitive latex. Results above are based on DCC's internal lightweight all-purpose TJC formulation containing 2.6% wet latex by weight.

TAPE-X™ Performance versus Competitive Latex A, B, C in Regular & Light Weight Joint Compound

Performance Parameters	Test Description	TAPE-X™ Performance
Tape Bond Adhesion	Visual Bond & Mechanical Bond	+++ TAPE-X™ outperformed all competitive latex
Crack Resistance	DCC Method: Crack Resistance & Crack Type	=/+ TAPE-X™ exhibited good to excellent crack resistance
Workability	Visual Rating: # of tool passes needed to get smooth finish	=/+ TAPE-X™ showed better workability; easier to achieve smooth finish
Craters	Visual rating at various TJC viscosities	+ TAPE-X™ had better crater/pinhole performance; lower level of pinholes
Shrinkage	ASTM based ring test	+ TAPE-X™ had less shrinkage than competitive controls

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