

Benefits of MX: Reduce Water Vapor Transmission

The inclusion of Kane Ace[®] MX-125 in an epoxy coating system, Kaneka Primer 1, was tested using ASTM method E96-13. Kane Ace[®] MX-125 showed a reduction in the average perms and further enhanced Kaneka Primer 1 ability to resist the effects of water vapor.*

Kaneka Primer 1

Part A (in pbw)

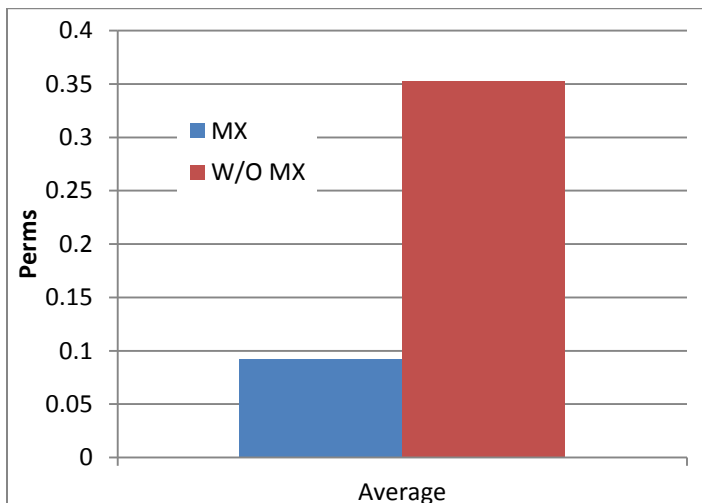
Bis A Epoxy (EPON 828 - Momentive)	36.80
Kane Ace [®] MX-125 (25% CSR)	25.60
Bis F Epoxy (EPON 862 - Momentive)	24.00
Epoxide diluent (Heloxy 68 - Momentive)	20.00

Part B (in pbw)

NC 558 (Phenalkamine hardener-Cardolite)	50.00
Ancamide K54 (Air Products)	1.50
Antiterra U (BYK-Chemie)	0.75
BYK A501 (BYK-Chemie)	1.50

Properties	Units	Values
Mix ratio Part A:Part B	By Volume	2:1
Mix ratio Part A:Part B	By Weight	100:53.75
Induction time	Minutes	15
Initial Mix Viscosity	Cps	2000
Pot Life	Minutes	75
Gel Time	Minutes	77
Dry Hard Set to Touch	Hours	2
Surface Dry	Hours	12
Dry Through/ Hard	Hours	22

Results



Kaneka - Primer 1	Thickness (inches)	Perms	Average
Sample 1	0.018	0.097	0.092
Sample 2	0.022	0.083	
Sample 3	0.019	0.096	

Kaneka -Primer 1 (W/O MX)	Thickness (inches)	Perms	Average
Sample 1	0.013	0.582	0.353
Sample 2	0.017	0.272	
Sample 3	0.019	0.204	

*All technical information in this document is based on tests which are believed to be reliable. Due to possible variations of conditions beyond our control, no representations or warranties are expressed or implied as to the accuracy or completeness of the technical information.