

Asbestos contaminated icicle in Korea, 2011 Jan

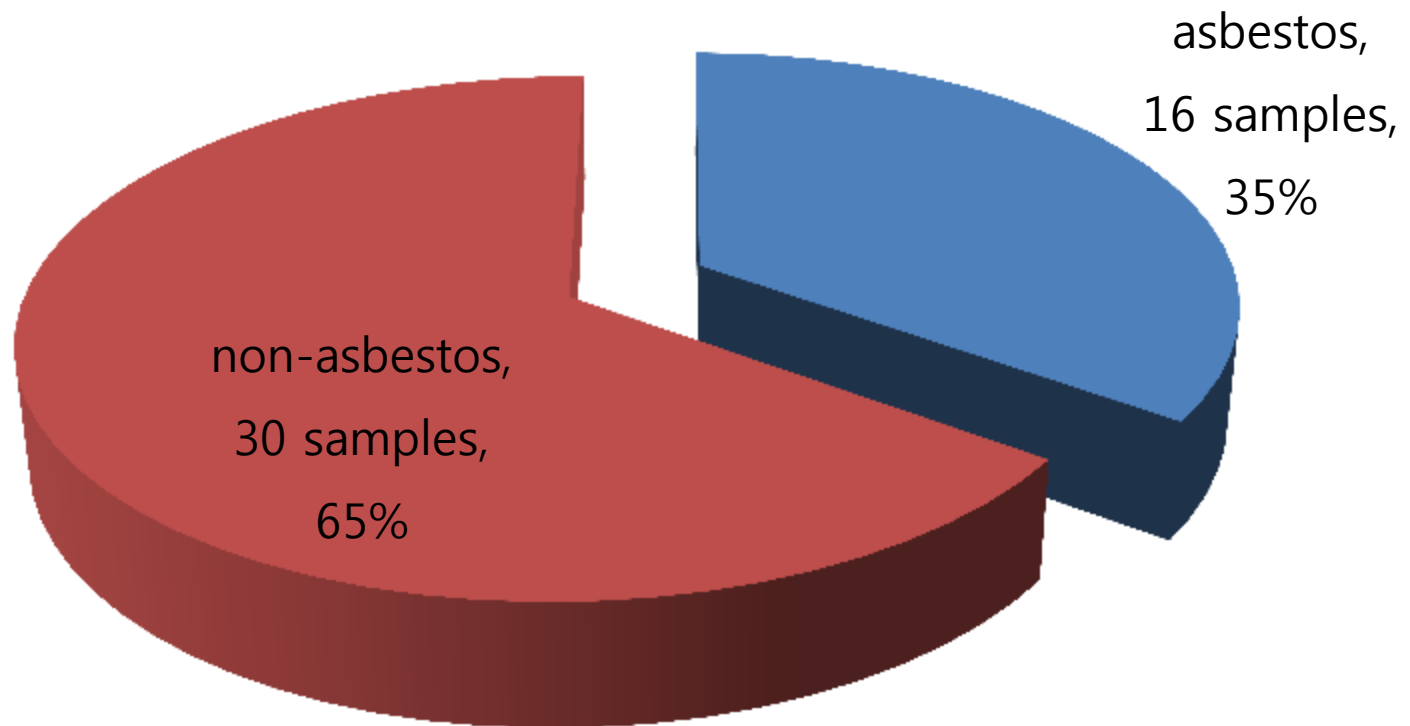
Yeyong CHOI
BANKO, A-BAN

Icicle sample analysis data

Jan 24 2011, BANKO

date	No	area	sites	Asbestos type	Asbestos concentration	Analysis methods
Jan10	1	Seoul	School building1	chrysotile	13%	PLM- >FE-SEM & EDS
Jan10	2	Seoul	School building2	chrysotile	15%	
Jan15	3	Inchoen	Countryside residential building1	chrysotile	Trace (less than 0.25%)	
Jan15	4	Inchoen	Countryside Residential building2	chrysotile	15%	
Jan15	5	Seoul	City residential building1	chrysotile	14%	
Jan16	6	Seoul	City residential building2	chrysotile	10%	

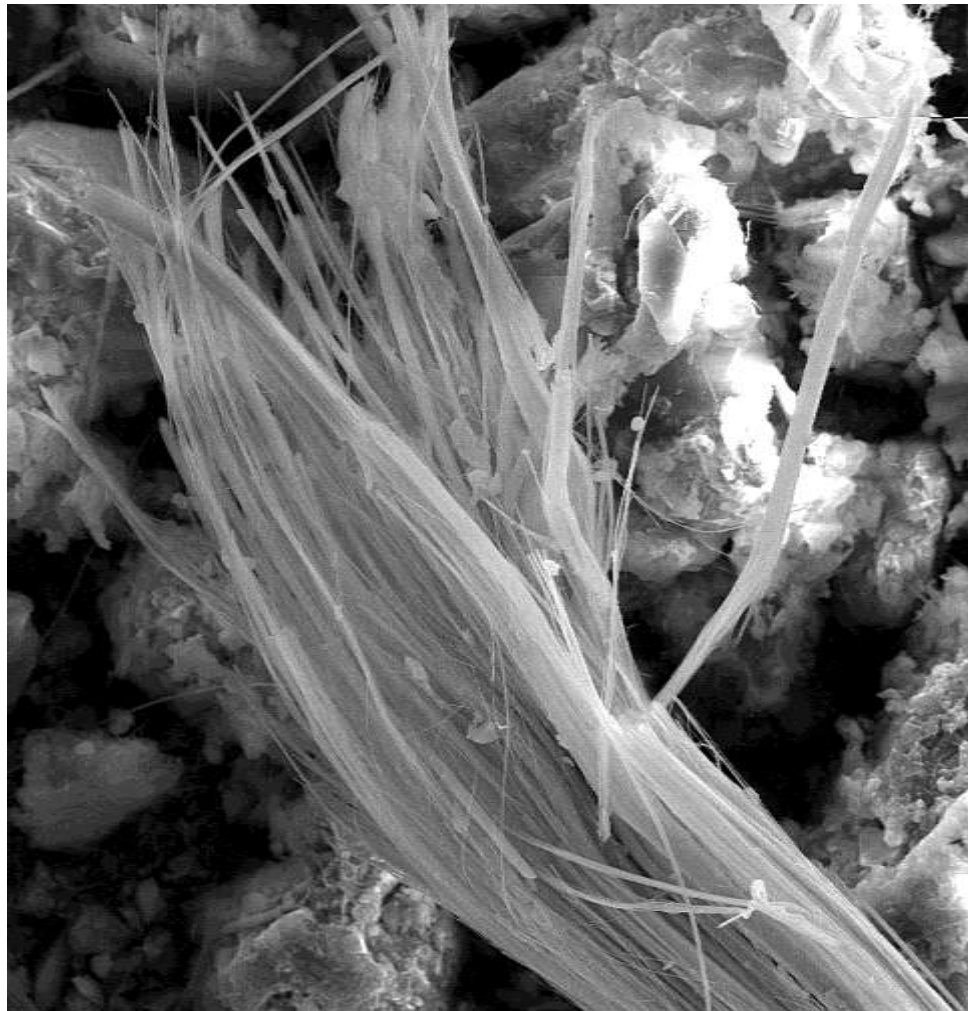
Asbestos survey of soil samples collected under the asbestos roofs by Korean Environment Ministry, 2009



Situation of asbestos roof buildings (37.9~82.1%) in Korea by National Environment Institution, 2008

area	Total number of building	Asbestos roof main building	Asbestos roof all building	Amount of asbestos contained building materials (kg)		
				total	Main building	Annex building
1	149	60(40.2)	104(69.8)	199,448	106,205	93,243
2	177	65(36.7)	129(72.9)	285,576	98,846	186,730
3	227	83(36.6)	197(86.8)	317,834	109,080	208,754
4	121	72(59.5)	110(90.9)	189,194	81,404	107,790
5	307	92(30.0)	265(86.3)	420,019	147,922	272,097
total	981	372(37.9)	805(82.1)	1,412,071	543,457	868,629

환경보건시민센터



SEM HV: 15.00 kV WD: 14.74 mm MIRA TESCAN
SEM MAG: 3.00 kx Det: SE
Date(m/d/y): 01/13/11 ISAA 20 µm ISAA

FE-SEM photo of 15% chrysotile from the icicle sample collected asbestos slate roof of a school building in Seoul, Korea



Process of icicle making
at slate roof of a school
building in Seoul, Korea





Icicle at slate roof of a school building in Seoul, Korea





Icicle sampling at a residential building in Seoul, Korea





Icicle at a residential building of countryside in Incheon, Korea

