



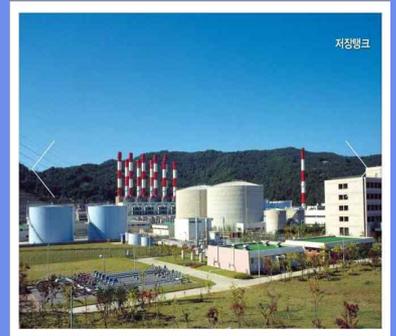
**KANGNAM CHEMICAL CO., LTD.**  
[www.kangnam.co.kr](http://www.kangnam.co.kr)



# NEOFORCE®

## POLYUREA

**Supply and Application Reference**



**NEOFORCE®**  
Waterproofing and anticorrosive treatment for general concrete,  
Parking lot and factory flooring,  
Internal and external tank coating,  
Various pipe coating.

Korea Testing & Research Institute  
**TEST REPORT**

Report No : TAS-02481  
Client : HA YONG, CHUNG  
KANGNAM CHEMICAL CO.,LTD.  
#826, Seonggok-dong, Danwon-gu, Ansan-si, Gyeonggi-do, Korea.

TEL 82-32-5709-700 FAX 82-32-575-5613  
Receipt Date : Jan.23.2009  
Test Completion Date : Feb.04.2009

Sample : POLYUREA/STELA COAT KA-890(KR-890)

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Tensile Strength	N/mm	22	KS F 4822 : 2007	
Elongation at break	%	355	KS F 4822 : 2007	
Tear Strength	N/mm	83	KS F 4822 : 2007	
Hardness(HA)		86	KS M 6518 : 2006	

NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR do not guarantee the quality of all products of the customer.  
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.

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Feb.04.2009  
Korea Testing & Research Institute  
President *Kangnam*

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Korea Testing & Research Institute  
**TEST REPORT**

Report No : TAS-02480  
Client : HA YONG, CHUNG  
KANGNAM CHEMICAL CO.,LTD.  
#826, Seonggok-dong, Danwon-gu, Ansan-si, Gyeonggi-do, Korea.

TEL 82-32-5709-700 FAX 82-32-575-5613  
Receipt Date : Jan.23.2009  
Test Completion Date : Feb.04.2009

Sample : POLYUREA/STELA COAT KA-770(KR-770)

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Tensile Strength	N/mm	14	KS F 4822 : 2007	
Elongation at break	%	729	KS F 4822 : 2007	
Tear Strength	N/mm	42	KS F 4822 : 2007	
Hardness(HA)		71	KS M 6518 : 2006	

NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR do not guarantee the quality of all products of the customer.  
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Korea Testing & Research Institute  
**TEST REPORT**

Report No : TAS-02483  
Client : HA YONG, CHUNG  
KANGNAM CHEMICAL CO.,LTD.  
#826, Seonggok-dong, Danwon-gu, Ansan-si, Gyeonggi-do, Korea.

TEL 82-32-5709-700 FAX 82-32-575-5613  
Receipt Date : Jan.23.2009  
Test Completion Date : Feb.04.2009

Sample : POLYUREA/STELA COAT KA-760(KR-760)

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Tensile Strength	N/mm	19	KS F 4822 : 2007	
Elongation at break	%	433	KS F 4822 : 2007	
Tear Strength	N/mm	67	KS F 4822 : 2007	
Hardness(HA)		89	KS M 6518 : 2006	

NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR do not guarantee the quality of all products of the customer.  
2. This test report shall not be used for public relation, advertisement, lawsuit and any other purposes outside the scope of its defined usage.

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# INCHON INTERNATIONAL AIRPORT



**Transportation center**  
(Samsung construction)



**Subway**(Ssangyong construction)



**Overage & surrounding**  
(Hanjin construction)



**Main application area**

- Subway
- Overage & surrounding
- Transportation center, Passenger terminal

## Job Reference

### Waterproofing

(Incheon International Airport, Korea)



Location	Construction company	Applying Area(m <sup>2</sup> )	Applied by Kangnam(m <sup>2</sup> )
Transportation center	Samsung	23,200	11,700
Exterior wall of Subway	Ssangyong	170,000	100,000
Overbridge and Surrounding Construction	Hanjin	60,000	60,000
Exterior wall of water reservoir	Kumho	7,700	7,700
Exterior wall of general wire line	Kumho	6,500	6,500
Exterior wall of rail way	Kumho	9,700	9,700
Landing strip, Etc	Hanjin	40,000	40,000
<b>Total(m<sup>2</sup>)</b>		<b>317,100</b>	<b>235,600</b>

## Polyurea Sales & Application Reference

NO	Construction Name	Construction Company	Date
1	Adonis golf roof waterproofing(Yangsan)	Kangwon inc	March, 1998
2	Chungmu dome waterproofing(T'aejun)	Sunwoo inc	June, 1998
3	JCC factory waterproofing(Cheongwon)	Construction co	April, 1999
4	Byukjae waterproofing	Daeho construction	June, 1999
5	Kwangam filtration waterproofing	Jindo chemical	July, 1999
6	Air port traffic center(Samsung)	Kangnam chemical	July, 1999
7	Tongil apt. waterproofing(Wonju)	Yaksu construction	October, 1999
8	Subway waterproofing(ungam)	Yaksu construction	October, 1999
9	Kangseo filtration waterproofing	Wondang construction	October, 1999
10	EXPO indoor Gymnasium	Yaksu construction	November, 1999
11	Pungnab filtration waterproofing	Samup co	April, 2000
12	Youngdengpo filtration waterproofing	Gujin construction	June, 2000
13	Gumi stand waterproofing	Daeya chemical	August, 2000
14	Kwangju kia motor	Dongang co	August, 2000
15	Kwangamfiltration	Jindo chemical	October, 2000
16	KBS open set(Andong)	KBS art vision	November, 2000
17	Kangnung hotel	Kangnam chemical	November, 2000
18	KBS open set installment	KBS art vision	2001.1-12
19	Yongjongdo new air port	Yaksu construction	2001. 2-4
20	Busan sujung apt. waterproofing	Yaksu construction	March, 2001
21	Gunsan US Army	Jebi Paint	March, 2001
22	Sewage disposal plant	Yaksu construction	April, 2001
23	Shila hotel waterproofing	Kangnam chemical	April, 2001
24	Haenam youthhostel	Daeung Construction	April, 2001
25	Ulsan kia motor	Jebi paint	2001. 6-9
26	Yincheon wolmido daehan jedang	Heemin construction	June, 2001
27	Yongjungdo marine research center	Korea high polymer	August, 2001
28	Omok culture center	Yaksu construction	December, 2001
29	Kangwon Univ. hospital	Yaksu construction	December, 2001
30	Naju cycle stadium	Baedoo Co	December, 2001
31	Seoul Court	Kangnam chemical	January, 2002
32	Samsung Plaza	Kangnam chemical	February, 2002
33	Samsung Insurance Tower Pelis	Kangnam chemical	April, 2002
34	Samsung Tech 1	Kangnam chemical	August, 2002
35	Mokdong stadium	Kangnam chemical	August, 2002
36	Dukyang Munhaw Center	Kangnam chemical	December, 2002
37	Taeyang Metal Co	Kangnam chemical	January, 2003
38	Samsung SDI	Kangnam chemical	June, 2003
39	Eden Church	Kangnam chemical	September, 2003
40	Ilsan Dukyang	Silver Techner	March, 2004

## Polyurea Sales & Application Reference

NO	Construction Name	Construction Company	Date
41	Ansan Daeduk Electronic	Intack Industries	March, 2004
42	Guisan Pulmoowon	Silver Techner	March, 2004
43	Yangju Industrial Zone	Hanyoung Urethane	April, 2004
44	YeumchangDong Subway 9-6 Phase	Dealim Construction	April, 2004
45	Air port high way(Gaeyang)	Daehwa materials	April - July, 2004
46	Changwon Hyunjang	Sewon Insulation	June, 2004
47	Yongsan Minjayeksa	Silver Techner	June, 2004
48	Kayang Dong Subway 9-6 Phase	Samkwang Kongmu	July, 2004
49	Bibong I.C	Sewon Insulation	September, 2004
50	BalsanDong Subway 9-6 Phase	Samkwang Kongmu	October, 2004
51	Jeju Africa Musium	Silver E&C	November, 2004
52	Yangchun Subway 9-6 Phase	Samkwang Kongmu	November, 2004
53	Budang Tower Pelis	Sewon Insulation	December, 2004
54	Banghwa Dong Subway 9-6 Phase	Samkwang Kongmu	December, 2004
55	Budang Tower Pelis	Sewon Insulation	January, 2005
56	Okeum Rollerskate court	Deakun C&L	March, 2005
57	Deajun Ili Industrial Zone	T&S Construction	March, 2005
58	Silil Pham	Sewon Insulation	April, 2005
59	Dependance Memorial Building	T&S Construction	June, 2005
60	Mapo Kukmin health building	Mose Kunyoung	June, 2005
61	BaeMyung Middle school	T&S Construction	June, 2005
62	BaeMyung Middle school	T&S Construction	July, 2005
63	Chungju Dongbu	T&S Construction	August, 2005
64	Kangseo Subway 9-6 Phase	T&S Construction	August, 2005
65	Yeoi do Outside	T&S Construction	August, 2005
66	Yeumchang Subway phase	T&S Construction	November, 2005
67	Yeumchang Subway phase	T&S Construction	January, 2006
68	KBS Artvision	Choyoung Art	January, 2006
69	Suwon Chatholic University	T&S Construction	February, 2006
70	Chunchon Cartellar Center	T&S Construction	February, 2006
71	Ssangyong Paper factory	Kangnam Chongphan	March, 2006
72	Ansan Daepoong	Sewon Insulation	May, 2006
73	Jeoungphyung ICC Phase	T&S Construction	June, 2006
74	Buchon Bus Terminal	T&S Construction	June, 2006
75	SK Construction Site	SK Construction	July, 2006
76	LG Daily health site	GS Construction	September, 2006
77	Koseo Middle School	Ilisan Co	September, 2006
78	Daegu Airport road	Sewon Insulation	October, 2006
79	Samsung Hospital	Sewon Insulation	November, 2006
80	Chungan Independence Memorial	T&S Construction	December, 2006



## Polyurea Sales & Application Reference

NO	Construction Name	Construction Company	Date
81	Dongsuwon Bio Center	Best Urethane	January, 2007
82	Chunan Musium	T&S Construction	January, 2007
83	Biotechnology Center, East Suwon	Top Urethane	January, 2007
84	Independence Hall (Chunan)	TNS Construction	February, 2007
85	9-6 Subway Construction Site (Yeomchang dong)	TNS Construction	February, 2007
86	Yeumchang 9-6 Subway Phase	T&S Construction	February, 2007
87	Chamsil Lotterworld	T&S Construction	February, 2007
88	Koyang GS site	T&S Construction	April, 2007
89	GS Caltex gas station site (Goyang)	TNS Construction	April, 2007
90	Gwanghwamun North-gate site	TNS Construction	April, 2007
91	Kolon Construction Site (Gimcheon)	SAMSUNG POLYMER	April, 2007
92	Daehan sugar factory (Incheon Wolmido)	HEEMIN Construction	April, 2007
93	Changpyeong Elementary School	TNS Construction	April, 2007
94	Hallym University (Chuncheon)	SAMSUNG POLYMER	April, 2007
95	Chongju University	TNS Construction	April, 2007
96	Northgate site	T&S Construction	May, 2007
97	Gimcheon Kolon site	Samsung polymer	May, 2007
98	Chungju University	T&S Construction	May, 2007
99	Chun chun Hanrim University	Samsung polymer	May, 2007
100	Gupabal Subway Construction Site	TNS Construction	June, 2007
101	Eunpyeong-guNewtownpowersupplyworks ConstructionSite	TNS Construction	June, 2007
102	HyundaiMotorsR&DCenter(Hwaseong)	TNS Construction	June, 2007
103	Eunphyung New town Electronic	T&S Construction	June, 2007
104	NationalAcademyofSciences(Gwacheon)	TNS Construction	August, 2007
105	S-oil Gas Station (Pohang)	TNS Construction	August, 2007
106	Bulam gas station (Nowon)	Yujin EASYGuard	September, 2007
107	S-oil Gas Station (Western Incheon)	Yujin EASYGuard	September, 2007
108	mokpo Industrial Complex	TNS Construction	October, 2007
109	S-oil Gas Station (Daegu maecheon dong)	Yujin EASYGuard	October, 2007
110	S-oil Gas Station (Daejeon Daedeok)	TNS Construction	October, 2007
111	S-oil Gas Station (Daejeon dunsan)	TNS Construction	October, 2007
112	S-oil Gas Station (Banghak dong)	Yujin EASYGuard	October, 2007
113	S-oil Gas Station (Sangbong dong)	TNS Construction	October, 2007
114	Koala Gas Station (Seongnae dong)	Yujin EASYGuard	October, 2007
115	S-oil Gas Station (1) (Nam-gu, Ulsan)	Yujin EASYGuard	October, 2007
116	S-oil Gas Station (2) (Nam-gu, Ulsan)	Yujin EASYGuard	October, 2007
117	S-oil Gas Station (3) (Nam-gu, Ulsan)	Yujin EASYGuard	October, 2007
118	The Catholic Welfare Center (Jeonju)	Yujin EASYGuard	October, 2007
119	S-Oil Site	T&S Construction	October, 2007
120	Ulsan S-Oil	Yujin easy Guard	October, 2007



## Polyurea Sales & Application Reference

NO	Construction Name	Construction Company	Date
121	DaeJeon S-Oil	Yujin easy Guard	October, 2007
122	Banhak S-Oil	Yujin easy Guard	October, 2007
123	S-oil Gas Station (1) (Busan)	Yujin EASYGuard	November, 2007
124	S-oil Gas Station (2) (Busan)	Yujin EASYGuard	November, 2007
125	S-oil Gas Station (3) (Busan)	Yujin EASYGuard	November, 2007
126	Construction Site (Ilsan deokyeodong)	TNS Construction	November, 2007
127	Cheongju Baseball Stadium	TNS Construction	November, 2007
128	LG CNS (Bupyeong)	SEWON insulation	December, 2007
129	Housing Pavilion (Bundang)	TNS Construction	December, 2007
130	Wondeok Middle school	SEWON insulation	December, 2007
131	Buphung LG CNS	Sewon Insulation	December, 2007
132	Bundang Housing site	T&S Construction	December, 2007
133	Samchuk Wondang Middle School	Sewon Insulation	December, 2007
134	East Square (Daejeon)	TNS Construction	January, 2008
135	Construction Site (Jeungpyeong)	SILVER E&C	January, 2008
136	Mokpo Industrial Complex	SILVER E&C	January, 2008
137	Kumho Construction (Eunpyeong-gu Newtown)	TNS Construction	January, 2008
138	Public Health Center (Seongnam)	TNS Construction	January, 2008
139	LG gas station (Ilsan)	TNS Construction	April, 2008
140	Composition of land (Gangseo)	FINETEC	April, 2008
141	S-OIL Dongwon gas station (Suwon IC)	Yujin Plus	June, 2008
142	Sinheung training center pool (Dongducheon)	Vision Korea	June, 2008
143	Jangmi apartment (Jamsil)	HEEMIN Construction	June, 2008
144	Pyeongtaek construction site	TNS Construction	June, 2008
145	Kyonggi University Gymnasium (Suwon)	SEOHYUN BS	July, 2008
146	Chongju University	TNS Construction	August, 2008
147	Apartments (Mokdong)	HEEMIN Construction	September, 2008
148	Lotte apartment (Uijeongbu)	TNS Construction	October, 2008
149	Jinro corporate Logistics centers (Daejeon)	KANGNAM CHEMICAL	November, 2008
150	Jinro corporate dorm (Cheongwon)	KANGNAM CHEMICAL	November, 2008
151	Independence Hall (Chunan)	TNS Construction	December, 2008
152	Kyunghee University aejiwon	KANGNAM CHEMICAL	December, 2008
153	Construction site (Changwon)	TNS Construction	January, 2009
154	Sewage Treatment Plant (Chungnam Yeongi)	HG Construction	January, 2009
155	Everland (Yongin)	SAESOL Construction	February, 2009
156	Daelim Apartment	HEEMIN Construction	March, 2009
157	Central Park (Anyang)	DAEGUN C&L	March, 2009
158	Sports Park (Muan)	HEEMIN Construction	April, 2009
159	Kyung Hee University Global Campus (Suwon)	MUT	April, 2009
160	Kumho Petrochemical Rubber factory (Ulsan)	Ilsan Enterprise	April, 2009



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NO	Construction Name	Construction Company	Date
161	Ocean Research & Development Institute (Daejeon)	Central Chemical	April, 2009
162	Samsung Raemian apartment (namgajwa)	HEEMIN Construction	May, 2009
163	Parking Building (East Daejeon)	Central Chemical	May, 2009
164	Taeyang Food Factory (Cheongwon, Chungbuk)	Central Chemical	May, 2009
165	Outdoor swimming pool natural forest	Central Chemical	May, 2009
166	Parking Building (Baejaedong)	HEEMIN Construction	June, 2009
167	Apartment construction site (Kwangju)	Yujin Plus	June, 2009
168	Metropolitan Museum of Art (Daejeon)	DAEGUN C&L	June, 2009
169	Young Ran Middle School (Jungrang)	DAEGUN C&L	June, 2009
170	U.S. Army Airfield	Kangnam General sales	June, 2009
171	Gyeonggido Museum of Art	Ilsan Enterprise	July, 2009
172	swire properties(Group) building	Hong Kong	August, 2009
173	Multi-cultural center (Hwaseong Dongtan)	TNS Construction	October, 2009
174	Imsil County Office	TNS Construction	October, 2009
175	Seah steel factory	TNS Construction	October, 2009
176	Public Health Center (Samcheok)	TNS Construction	November, 2009
177	Chongju University	TNS Construction	November, 2009
178	Metapolis Apartment construction site	PU Reader	November, 2009
179	Daeju Parkville apartments (Incheon)	HEEMIN Construction	December, 2009
180	Environment Center (Yongin)	PU Reader	December, 2009
181	KBS art vision	Johyeong Art	January, 2010
182	Hyundai Heavy Industries Dormitory	TNS Construction	January, 2010
183	Kyung Hee University Gymnasium (Suwon)	PU Reader	April, 2010
184	Fire Station (Yongin)	JINIL Construction	April, 2010
185	Children's Grand Park (Gwangjin)	TNS Construction	April, 2010
186	Seongbuk-Gymnasium	TNS Construction	May, 2010
187	Anyang Central Park	DAEGUN C&L	May, 2010
188	Seah steel factory	TNS Construction	May, 2010
189	Jeju Island Post Office	JINIL Construction	June, 2010
190	Construction site (gwanyang dong)	JINIL Construction	June, 2010
191	Pulmuone Food Factory	TNS Construction	June, 2010
192	Independence Hall (Chunan)	TNS Construction	June, 2010
193	Lions Valley Apartments	HEEMIN Construction	July, 2010
194	Halla University (Wonju)	TNS Construction	August, 2010
195	Toppan printing	Hong Kong	October, 2010
196	Construction site (Daegu)	TNS Construction	October, 2010
197	Inline Skating Arena (Bonghwa)	DAEGUN C&L	November, 2010
198	Gammon Hong Kong project	Hong Kong	January, 2011
199	Dongdaemun Design Plaza	TNS Construction	March, 2011
200	Shangrila Hotel Waterproofing	Hong Kong	March, 2011



## Polyurea Sales & Application Reference

NO	Construction Name	Construction Company	Date
201	X-Game Sports Park(Chungbuk)	DAEGUN C&L	March, 2011
202	Inline Skate Park (Icheon City Park)	DAEGUN C&L	March, 2011
203	Water Quality Research Institute	DAEHWA P.C	March, 2011
204	Inline Skate Park (LG Institute)	DAEGUN C&L	March, 2011
205	Songrim apartments (Incheon)	PU Reader	April, 2011
206	Construction site (Chuncheon City)	SUK engineering	May, 2011
207	Hyochang Stadium (Seoul)	SUK engineering	May, 2011
208	KyungHeeUniversity (Suwon)	PU Reader	May, 2011
209	Water Quality Research Institute	Seonun construction	May, 2011
210	LCD industrial plants (Paju City)	PU Reader	May, 2011
211	Hyochang Stadium (Seoul)	PU Reader	May, 2011
212	Kyung Hee University (Seoul)	PU Reader	June, 2011
213	X-Game Sports Park	Ace field	June, 2011
214	Mapo Police Station	SUK engineering	June, 2011
215	Sluiceway construction site (Incheon)	HWAIN Construction	June, 2011
216	Kahn Resort	PU Reader	July, 2011
217	Kyung Hee University (Cyber University)	PU Reader	July, 2011
218	Samsung Electronics Auto Park	HAESUNGChemical	July, 2011
219	Samsung Electronics the construction site (Cheonan)	TNS Construction	July, 2011
220	Kahn Resort Outdoor swimming pool	Doosan Construction	July, 2011
221	Building of Hotel Management, Kyung Hee University	PU Reader	August, 2011
222	SK Pentaport	HAESUNGChemical	August, 2011
223	Construction site (Chuncheon, hupyeongdong)	SUK engineering	September, 2011
224	Mobile Science High School (Ansan)	DONGAST	September, 2011
225	Dongyang iron pipe	DONGYANG STEEL PIPE	September, 2011
226	Samsung Sports Park (Eumseong)	DAEGUN C&L	September, 2011
227	Hite corporate construction site	MUT	October, 2011
228	Ocean Research & Development Institute (Ansan)	Woosung CNT	November, 2011
229	The korea broadcasting system (Yeouido)	CHOHYUNART	November, 2011
230	Samsung Life Insurance (Hannam-dong)	KNpolyurea	November, 2011
231	Samsung Electronics Telecommunications Research Institute	HANYOUNG CMC	December, 2011
232	Several project supply in Australia	Australia	2010-2011
233	Disneyland Hong Kong	Hong Kong	March, 2012
234	Glorietta Department store	Philippines	June, 2012