

Type and Features of Internal Surface Coating Paint

1. Properties and Features of Internal Surface Coating Paint

Properties and features of representative internal coating paint are shown below. For further information on this and other types of paints available to our customers, please contact our sales divisions.

Type	Epoxy-phenolic	Phenolic
Code name	NSP	4A
Coating thickness	10~30 μ m	6~12 μ m
Color tone	Yellowish gray	Transparent brown
Features	This type of coating has excellent adhesion to metals and is highly flexible as well as durable against weak alkaline substances. Since internal odor is hardly present, this type of coating is suitable for containing foods and perfume too.	This type of coating provides low penetration characteristic and is durable against organic solvents or weak acids with a drawback of low flexibility. Due care, however, should be taken for alkaline or water solution type contents.

2. Internal Coating Quality

The following table shows examples of results of standard specimen tests made to evaluate the internal coating quality. Values shown in the table, however, are the test results for each corresponding test, and not the specification value of our products. Such test results may vary depending upon the process of surface pretreatment. For further information, please contact our sales divisions.

Test Item	Test Method	Unit	Epoxy-phenolic	Phenolic
			NSP	4A
Erichsen Test	As per JISK5600	mm	3~8	1~4
Du Pont Impact Test		500g, 1/4"	Not less than 50	Not less than 5
Cross Cut Test			100/100	100/100
Scratch Hardness (Pencil method) Test			6~8H	9H
MEK Rubbing Test	As per Company's Standard		OK at 60 strokes	OK at 3000 strokes
Immersion Test			No abnormalities were observed after 2 months under 40 degrees C.	Paint film swelling was observed after 2 months under 40 degrees C.

