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Sample ID :

PRC ZEMİN KAPLAMA

	TEST	METHOD	RESULT
*	Drying, Curing Or Film Formation Of Organic Coatings At Room Temperature	TS 4317	PASS



Seal

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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

TS 4317 Drying, Curing Or Film Formation Of Organic Coatings At Room Temperature**Scope**

This standard covers the method of determining the film formation rate of organic coating materials at normal room temperature, during the drying or curing phase, and the properties at different stages.

- Determination of drying, hardening or filming characteristics at room temperature

The experiment should be carried out in an environment of $25^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ temperature and $50\% \pm 5\%$ relative humidity. The experiment should be carried out in a laboratory with an illumination intensity of 250 lux or in the shade in the open air away from direct sunlight.

Test panels should be prepared by a person who is experienced in the application methods used.

The drying condition of the film surface is checked at certain intervals such as 5,15,60 minutes depending on the drying rate in areas with a distance of 13 mm from the edge.

- Touch Time Determination

The test film is lightly touched with a fingertip at certain intervals and immediately pressed onto a clean glass surface. It is checked if there are any traces on the glass. The tapping force should not be more than the force required to move a particle with a diameter of 3.2 - 4.8 mm. No paint adhering to the finger despite the deterioration on the surface determines the touch time.

- Dust Free Time Determination**Cotton Fiber Method**

A piece of cotton is cut into its fibers and dropped into the marked section of the film from a height of 25 mm at regular intervals. When cotton fibers come off the surface when gently blown, it determines the dust-free time.

Powder Method

The fine powdered calcium carbonate is sprinkled on the film at regular intervals, after the time of no trace is over, the dust is blown and cleaned with a soft brush. The time the dust can be completely removed it gives time not to keep.

- Determination of No Trace Time**Paper Method**

A special test of 51 mm X 76 mm is placed on a paper film and a steel bur cylinder 5.08 cm in diameter, 2.85 kg in weight and 140 g / cm² pressure is placed on the paper. After 5 seconds, the roller is lifted and the panel is turned over. If the paper falls within 10 seconds, it indicates that the trace-free time has elapsed.

- Dry Touch Time Determination**Drying Oils**

After the touch time is observed, the experiment is continued. Not sticking to the finger and not removing the paint when the finger is rubbed lightly on the surface determines the dry touch time.

Lacquers

The movie is touched periodically. The absence of visible marks indicates that the film has dried.

- Hard Drying Time Determination

The experimental panel is held between the thumb and forefinger and the thumb is pressed firmly on the film (without turning the finger). The place where the finger is pressed is polished with a soft cloth. If any traces left by the finger can be removed, the film is considered to be in a hard drying state.

Determination of Total Drying Status and Time

The experiment is carried out in accordance with TS EN 29117.

Determination of the Drying Time Required for the Application of the Second Layer

On the first coat, when the second coat or a certain top coat is applied; lifting, wrinkling, etc. if situations do not occur and the drying time of the second floor does not exceed the time specified for the first floor, the second floor is considered that the time has come for the floor to be applied.

RESULT

Sample Name	Test	Measured Value	Result
PRC ZEMİN KAPLAMA	Determination of drying, hardening or filming characteristics at room temperature		
	Touch Time Determination	170 minute	Appropriate
	Dust Free Time Determination		
	Cotton Fiber Method	10 minute	Appropriate
	Powder Method		
	Determination of No Trace Time		
	Paper Method	< 10 second	Appropriate
	Dry to walk	< 72 hours	Appropriate
	Full hardening drying	< 168 hours	Appropriate

*****END OF REPORT*****