

## Performance Exam Checklist

### **Test for High and Low Temperature Recovery of Elastomeric Joint Seals for Concrete Pavements ASTM D 2628 AASHTO M220**

Participant Name \_\_\_\_\_ Exam Date \_\_\_\_\_

<b>Procedure Element</b>	<b>Yes</b>	<b>No</b>
1. Sample is cut into 5-inch pieces?	<input type="checkbox"/>	<input type="checkbox"/>
2. Specimens for high and low temperature recovery tests (2 each) lightly dusted with talc?	<input type="checkbox"/>	<input type="checkbox"/>
3. Specimens deflected between parallel plates to 50% of the nominal width using a compression device clamp assembly?	<input type="checkbox"/>	<input type="checkbox"/>

#### ***High temperature recovery:***

1. Clamp assembly containing the compressed specimens placed in an oven capable of maintaining $212 \pm 2^\circ\text{F}$ ( $100 \pm 1^\circ\text{C}$ ) and kept there for 70 hours?	<input type="checkbox"/>	<input type="checkbox"/>
2. Clamp assembly removed from the oven after 70 hours?	<input type="checkbox"/>	<input type="checkbox"/>
3. Unclamped the assembly and carefully removed the specimens?	<input type="checkbox"/>	<input type="checkbox"/>
4. Specimens allowed to rest on a wooden surface at room temperature for 1 hour?	<input type="checkbox"/>	<input type="checkbox"/>
5. Recovered width of the specimens measured in the center of the 5-inch length at the top of the longitudinal edge using a dial caliper or other measuring device?	<input type="checkbox"/>	<input type="checkbox"/>
6. Data entered into the computer data base where % Recovery is automatically calculated?	<input type="checkbox"/>	<input type="checkbox"/>

#### ***Low temperature recovery:***

1. Clamp assembly containing the compressed specimens placed in a refrigerated chamber capable of maintaining $-20 \pm 2^\circ\text{F}$ ( $-29 \pm 1^\circ\text{C}$ ) and kept there for 22 hours?	<input type="checkbox"/>	<input type="checkbox"/>
2. Clamp assembly removed from the chamber after 22 hours?	<input type="checkbox"/>	<input type="checkbox"/>
3. Unclamped the assembly and carefully removed the specimens?	<input type="checkbox"/>	<input type="checkbox"/>
4. Specimens transferred to a wooden surface in the chamber and allowed to recover for 1 hour?	<input type="checkbox"/>	<input type="checkbox"/>
5. Specimens removed from the chamber and measured the recovered width in the center of the 5-inch length at the top of the longitudinal edge using a dial caliper or other measuring device?	<input type="checkbox"/>	<input type="checkbox"/>
6. Data entered into the computer data base where % Recovery is automatically calculated?	<input type="checkbox"/>	<input type="checkbox"/>

**Recovery, % = recovered width  $\times$  100/nominal width**

First attempt: Pass  Fail

Second attempt: Pass  Fail

Signature of Examiner \_\_\_\_\_

Comments: