

GUIDELINES FOR ASSEMBLY **K 55**

Pressure test of the KaRo ceiling of the P series (polypropylene)

Depending upon the system, KaRo ceilings are operated with pressures between 1 and 4 bar. All KaRo mats are factory tested with a pressure of 10 bar.

Before the ceiling is pointed up, the water system is to be submitted to a leakage test of at least **10 bar**.

The installed distribution conduits and KaRo mats can be checked for tightness with compressed air of **6 to 7 bar**.

GENERAL RULES

In principal the usual general rules apply for the pressure testing of water-prominent systems. In addition the following points are to be taken into consideration:

- **Proceed in sections.** Only test sections which can be kept under control while pressure testing.
- **Spans which are not going to be accessible at a later time** are to be successfully pressure tested before they are closed off.
- **Never pressurize with an open connection to the city water net.** Use exclusively pressure pumps. When pressure testing with the tap water net, there is a danger, that city water can leak into the building without being noticed.
- **Nominal pressure armatures:** Before testing, make sure that there are no armatures built into the tubes or pipes with a nominal pressure less than the maximum test pressure which is to be tested. All fittings and armatures with a nominal pressure of 8 to 20 from the company HEKA can be pressurized with 7 bar.
- **Test report:** The report Q55 is to be filled out while carrying out the pressure test. The properly completed report is a precondition for the guarantee of the manufacturer!

PRESSURE TEST

Prior to pointing up, the completely installed ceiling is to be pressure tested in sections. For this, the ceiling is filled with water and aired out.

The pressure is set at 6 to 7 bar. It must **hold itself for at least 4 hours at the initial value**. After the test is successfully completed the pressure is to be reduced to the normal or resting value.

The report Q 55 must be filled out during the pressure test. In the report, the start and finish of each pressure position is to be recorded and then signed by the responsible technician.

After a successful main test the water system can be reset for normal pressure.

The properly completed report is a **precondition for the guarantee** of the manufacturer!

Building project:

RECORD OF PRESSURE TEST

Project number:

partial span/section		Pres- sure bar	time	date	signature
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				
	start				
	finish				

Please make copies of this page for use on the construction site.

I hereby confirm that I successfully completed a pressure test with water, according to the general guidelines K 55, for the above specified spans and sections. The water system was submitted to the pressure indicated above (at least 6 bar) with a pressure pump. The pressure held itself at least 4 hours.

Name/signature: date: