

Quick Start INCH INSTRUCTIONS FOR USING **PRESS-O-FILM HT**

to measure the surface roughness of grit-blasted steel prior to painting

Units used in these instructions are thousandths of an inch (mils). Secondary units are micrometers (μm).

A: For measurement with **Coarse & X-Coarse** grades of tape, target roughness should be in the range 0.8 to 4.5 mils (20 to 115 μm).

B: To measure the tape you will need a gage specifically designed for use with replica tape. Pre-set the gage to **minus** 2.0 mils (**minus** 50 μm). On a standard Testex gage this is equivalent to pre-setting the gage to 8.0 mils (150 μm). Pre-setting has the effect of automatically subtracting the thickness of the incompressible layer.

C: Separate a piece of tape from its release paper and place on surface to be measured.

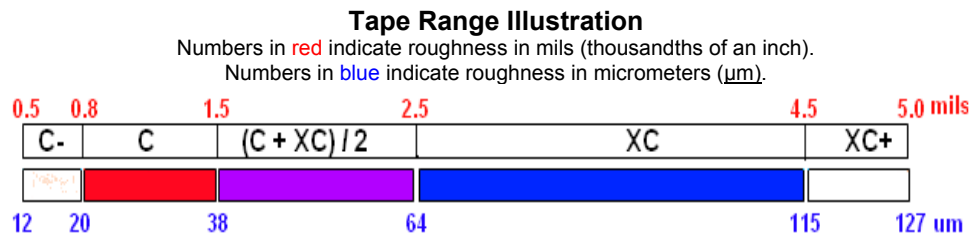
D: Firmly and completely compress replica film against the surface to be measured using an approved rubbing tool.

E: Measure thickness of resulting replica with gage.

F: If a measurement made with either Coarse or X-Coarse grade tape is **between 1.5 and 2.5 mils (38 and 64 μm) inclusive**, take a 2nd measurement at the same spot with the OTHER grade.

If BOTH readings are in the above range, record the **average** of the two measurements as the (peak-to-valley) roughness.

If EITHER reading is outside this range record it as the profile.



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