

Congratulations! You've just acquired a DIY stained glass kit ' **Kitrail®** ', made by a craftman in France, in the Jura. You are within a few steps of having a superb stained glass, you'll have done **by yourself**. Principle is easy, on the glass plate, you will stick colored films made of plastic that you'll have initially cut out, then you will position over it self-adhesive lead strips. The final aspect will be close to the stained glass pannels of our most beautiful cathedrals!

Enclosed raw materials:

- ✓ a glass plate pre-setted within its framework provided with fasteners
- ✓ a "gauge" plan , in white, and a colored "garage" plan, to assemble if required
- ✓ tinted overlay films to cut out according to the shapes drawn on the back side
- ✓ self-adhesive lead strips(useful quantity for the tests and the realization + 20 inches)
- ✓ a test board to involve you with the use of lead lines
- ✓ a multifunction tube
- ✓ an absorbing paper sheet

Prepare the following material:

- ✓ glass filled with clear water
- ✓ a scissors, or a cutter according to your preferences
- ✓ if possible, a windshield washer and a rag

CAUTION: The glass plate is fragile. Take always care of it. During the assembly, work in an ordered, safe and clean space. Particularly avoid dust against films for a better look. Wash regularly your hands, for avoiding the traces left by lead.

- 1.Clean the glass plate and position it on the white "gauge" plan, the fasteners upwards! Prepare the colored "garage" plan.
- 2.Cut from the plastic overlay films, all the grayed parts according to the shapes printed on the back side. Take care to follow black contour on its interior side (= there should not be too much black on the cut out parts). Simply leave it on the plan "garage", visible colored side on the top. There will be between each coloured part a space of +/-1/8" which will make it possible for lead lines to adhere directly on glass.
- 3.Take a first part, by a corner or the edge. Remove its opaque protection. Be careful with the sticking surface, never put neither your prints at it, nor dust (or, wash with generous water). Soak it in water glass: the adhesive is then activated. Position the part on its respective place on the glass plate. You can reposition it, as long as the support is wet. To make the adhesive "stick", water should then be driven out, with a pressure of the finger for smallest, or while making roll the multifunction tube for the largest parts. The adhesive will then dry at heart, in a few minutes, but do not wait for sticking all the other parts! **A piece of advice:** start with the largest parts in the center of the design. Overlay parts on the edge of the glass will find room space under the framework.
- 4.With absorbing paper, dry your work of its last water drops. Continue with the enclosed "test board" which will familiarize you with the use of lead lines
- 5.... films must from now on be well stuck on glass. If it is not the case, try to better drive out the water remained between film and glass. Wipe the work again.
- 6.Cut a length of lead strip of 15 inches (twice the width of this page). Think to the best place for starting to position the lead according to the T-rule. Wait for having covered all the work before strongly crushing lead with the tube taken vertically: it would be simpler to take it partly away if necessary. Cheer, it is finished!

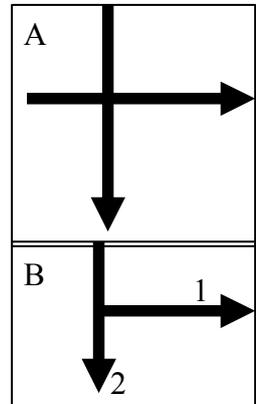
The "Le Verre de Voûte" studio is located 26 Grande Rue - 39.400 LONGCHAUMOIS – France. Phone: 00.33.3.84.41.29.88. email: contact@kitrail.com . You can contact us for your appreciated feedback, a missing part, obtain a lead supplement, or subscribe for free to our newsletter about the new available designs. Visits of our studio are welcome, for discovering the traditional technique of stained glass, before exploring the museums or intense local craftsmen network and the innumerable natural sites of the Regional Natural reserve. Hoping to meet you soon in the Haut Jura!

TEST BOARD FOR LEAD STRIPS.

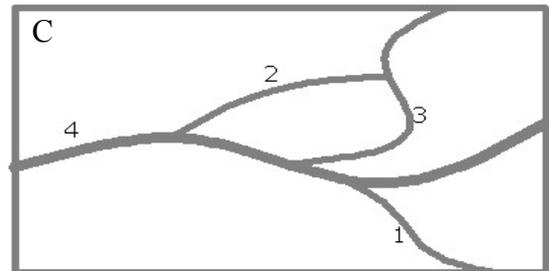
1. Cut with the scissors the length of the black line below. Start to remove the protective film from an end and position it at the beginning of the line below. Press it with the inch, and make run lead all along the line, with the pressure of the inch, your forefinger helping you to take off the protective film. This method avoids you to touch the adhesive which would become less effective.



2. The lead line is slightly bent in its center and it is there that the adhesive is located. Thus it should be crushed for an optimal adherence. On the top of the line, use the multifunction tube, driving it vertically, like a pencil, to crush lead to the maximum.
3. Pick now twice 9/8" of lead strip and cover the cross (A). Here, priority doesn't matter, it is just necessary to take care of well crushing leads one on the other over the crossing.
4. When a crossing as a T (figure B), it is necessary to mask the departure of line 1 under line 2. If not, one would risk, for example when the stained glass is cleaned, to take off the lead strip.
5. Example of the T-rule: with figure (C), the two possible orders of assembly are: 1-2-3-4 or 2-3-1-4 only!
6. Pick again 20 cm of lead, and try now to cover the curves of (C).



Well done, I believe you are ready for putting your work out of lead!



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