



## GILDING LEAF

GOLD LEAF IS 3 3/8 x 3 3/8 INCHES SQUARE (85 x 85 mm) AND IS SOLD IN PACKS CONTAINING 500 LEAVES. A PACK IS COMPRISED OF 20 BOOKS EACH CONTAINING 25 LEAVES.

EACH PACK OF 500 LEAVES CAN COVER 39.50 SQUARE FEET NOT INCLUDING WASTE OR OVERLAP. GILDERS CAN BASE THE AMOUNT OF WASTE ON THE COMPLEXITY OF THE OBJECT OR PROJECT DEPENDING ON THEIR EXPERIENCE AND EXPERTISE IN LAYING OF THE LEAF. OBVIOUSLY THE MORE DETAILED WITH CARVING, CREVICES OR VALLEYS, THE MORE LEAF WILL BE NEEDED AS OPPOSED TO A FLAT SURFACE.

REGULAR GOLD: THIS IS THE MANUFACTURER'S TERM FOR THE AVERAGE THICKNESS FOR HIS STANDARD. THIS STANDARD CAN VARY FROM MANUFACTURE TO MANUFACTURER. TYPICALLY ONE GOLD BEATER'S REGULAR CAN BE THINNER OR THICKER THAN ANOTHER.

DOUBLE GOLD: THIS TERM DOES NOT MEAN THAT THE LEAF IS TWICE THE THICKNESS OF THE REGULAR LEAF. DOUBLE LEAF CAN VARY 10% TO 20% THICKER THAN THE REGULAR LEAF.

GLASS GOLD: THIS TERM IS APPLIED TO A SELECTED HIGH QUALITY GOLD LEAF. THIS QUALITY CONTAINS LESS PINHOLES AND IRREGULARITIES.

SURFACE GOLD: THIS GOLD LEAF MAY HAVE SOME MINOR IRREGULARITIES AND IS GENERALLY USED WHERE DOUBLE GILDING IS NECESSARY OR IF THE GILDED ITEM IS TO HAVE AN ANTIQUE OR DISTRESSED APPEARANCE.

LOOSE: BOOKS OF LOOSE GOLD LEAF ARE COMPRISED OF THE GOLD LEAF BEING PLACED BETWEEN THIN PAPER THAT HAS BEEN ROUGED.

PATENT: PATENT GOLD LEAF OR TRANSFER LEAF IS GOLD LEAF THAT IS MOUNTED TO A UNIQUE TISSUE PAPER BY PRESSURE. THE BOOKS OF PATENT LEAF SO ASSEMBLED ALLOWS THE GILDER TO REMOVE ONE LEAF AT A TIME WITHOUT DISTURBING THE OTHER REMAINING LEAVES. THE PATENT LEAF IS REMOVED FROM THE BOOK WITHOUT THE NECESSITY OF USING A GILDER'S TIP. THE LEAF WILL STAY ON THE TISSUE UNTIL IT IS PRESSED ONTO THE PROPERLY PREPARED SURFACE AND THEN THE TISSUE CAN BE REMOVED. PATENT LEAF IS REQUIRED FOR EXTERIOR WORK AND WHERE CONDITIONS WOULD NOT ALLOW THE MANAGEMENT OF LOOSE LEAF. IT SHOULD BE NOTED THAT PATENT LEAF IS NOT RECOMMENDED FOR WATER GILDING AND IS GENERALLY USED ONLY ON FLAT SURFACES. DUE TO IT'S MOUNTING ON ROUGED TISSUE, PATENT LEAF IS TEMPERATURE AND HUMIDITY SENSITIVE AND

SHOULD BE STORED UNDER CONDITIONS THAT ALLOWS FOR THE RELATIVE HUMIDITY TO BE APPROXIMATELY 75 TO 80 PERCENT. PRIOR TO STORAGE THE LEAF SHOULD BE WRAPPED IN PLASTIC SARAN OR IT'S EQUIVALENT IN ORDER TO ACHIEVE A CONSTANT LEVEL OF HUMIDITY FOR THE TISSUE PAPER. IF THE LEAF IS NOT STORED UNDER SUCH IDEAL CONDITIONS, THE TISSUE CAN SEPARATE FROM THE LEAF. IF THIS OCCURS, CORRECTION CAN BE ATTAINED BY STORING THE LEAF IN THE HUMID ENVIRONMENT NOTED ABOVE AND BY APPLYING PRESSURE BY A WEIGHT SO THAT THE LEAF CAN BE AGAIN MOUNTED TO THE TISSUE. ON THE OTHER HAND, IF THE LEAF WAS SUBJECTED TO A VERY HOT AND HUMID ENVIRONMENT WHICH WILL CAUSE THE LEAF TO ADHERE TOO TIGHTLY TO THE TISSUE, IT CAN BE CORRECTED BY STORAGE FOR A SHORT TIME IN A REFRIGERATOR OR A DRY COOL ENVIRONMENT.

**KARATS AND ALLOYS:** GOLD CAN BE ALLOYED WITH SILVER, COPPER OR OTHER METALS TO ACHIEVE A VARIETY OF COLORS AND SHADES. THE HIGHER THE GOLD CONTENT OR THE ADDITION OF COPPER WILL RESULT IN DEEPER TONES OF LEAF. THE LEAFS THAT ARE OF HIGHER KARAT CONTENT WILL BE MORE DURABLE DUE TO THE GOLD'S HIGHER MODULUS OF ELASTICITY. GENERALLY THE LOWER KARATS OF LEAF, IE: 12kt, 16kt AND 18kt ARE ALLOYED WITH SILVER OR OTHER METALS IN ORDER TO ACHIEVE A LIGHTER COLOR OR HUE.

**SILVER LEAF:** THE SILVER LEAF IS 100 % SILVER CONTAINING NO GOLD OR OTHER METALS. SILVER LEAF WILL DISCOLOR AND TARNISH AS IS TYPICAL OF ALL SILVER OBJECTS. IT MUST BE PROTECTED WITH A TOP COAT WITHIN 12 HOURS AFTER GILDING. EVEN THIS NO GUARANTEE AS AMBIENT CONTAMINENTS COULD EFFECT THE LEAF AS IT IS APPLIED.

**PALLADIUM LEAF:** PALLADIUM IS A UNIQUE SILVER COLORED METAL. IT IS MOST RESISTANT TO ACIDS (EXCEPT NITRIC ACID), ALKALIS AND OTHER CORROSIVES. IT IS USED IN THOSE EXTERIOR APPLICATIONS SUBJECT TO THE ABOVE AS A SUBSTITUTE FOR SILVER OR WHITE GOLD.

**COMPOSITION LEAF:** COMPOSITION GOLD LEAF ALSO IS REFERRED TO AS DUTCH METAL AN SCHLAGMETAL, IS AN IMITATION GOLD LEAF COMPOSED OF COPPER AND ZINC FORMING A BRASS. IT IS AVAILABLE IN FOUR COLORS. #1, WHICH IS 90% COPPER AND 10% ZINC. IT HAS THE DEEPEST RED COLOR. #2, IS 88% COPPER AND 12% ZINC. #2 1/2 IS 85% COPPER AND 15% ZINC. THIS IS THE MOST POPULAR COLOR AND IMITATES 22 kt GOLD LEAF. #3, CONTAINS 82% COPPER AND 18% ZINC. IT IS BRIGHT AND HAS A YELLOW LEMON SHADE.

**ALUMINUM LEAF:** ALUMINUM LEAF IS AN OFTEN TIMES REFERRED TO AS IMITATION SILVER. IT DOES NOT DARKEN AS DOES GENUINE SILVER.

**COPPER LEAF:** COPPER LEAF IS MADE OF PURE COPPER.

**VARIEGATED LEAF:** VARIEGATED LEAF IS A METAL LEAF COMPOSED OF A METAL BASE, SUCH AS COPPER AND COMPOSITION GOLD THAT HAS BEEN TREATED CHEMICALLY TO CREATE RANDOM COLOR PATTERNS. THEY ARE RED, BLUE/GREEN AND BLACK VARIEGATED LEAFS.

THE COPPER ALLOYS IN COMPOSITION LEAFS WILL TARNISH IF LEFT EXPOSED TO AIR. IT IS RECOMMENDED THAT ALL COMPOSITION METAL LEAVES BE SEALED IN ORDER TO PREVENT TARNISHING. SEE DATA SHEETS FOR ROLCO'S TOP COATS. ALUMINUM LEAF MAY GET SLIGHTLY DARKER IN COLOR WITHOUT BEING SEALED.

COMPOSITION GOLD LEAF, ALUMINUM LEAF, COPPER LEAF AND VARIEGATED LEAF ARE SOLD IN PACKS CONTAINING 500 LEAVES. A PACK CONTAINS 20 BOOKS, EACH BOOK CONTAINING 25 LEAVES SEPARATED BY A THIN TISSUE PAPER. EACH LEAF IS 5 ½ x 5 ½ INCHES AND EACH PACK WILL COVER 105 SQUARE FEET NOT INCLUDING WASTE OR OVERLAP. AGAIN THE EXPERTISE OF THE GILDER AND THE DETAILING OF THE OBJECT TO BE GILDED WILL DETERMINE THE AMOUNT REQUIRED TO MAKE UP FOR THE WASTE AND OVERLAP.

SCHLAGMETAL AND COPPER ARE PACKED IN BOXES OF 10,000 LEAVES WHICH ARE BROKEN DOWN INTO 20 UNITS. EACH UNIT IS WRAPPED IN PAPER CONTAINING 500 LEAVES WITH TISSUE PAPER BETWEEN EVERY 100 LEAVES.

ALUMINUM IS PACKED IN BOXES OF 5000 LEAVES WHICH ARE FURTHER BROKEN DOWN INTO 10 UNITS. EACH UNIT IS WRAPPED IN PAPER CONTAINING 500 LEAVES WITH TISSUE PAPER BETWEEN EVERY 100 LEAVES.

METAL LEAF IS ALSO AVAILABLE IN ROLL FORM. THE ROLLS OF METAL LEAF ARE MANUFACTURED FROM 6 ¼ INCH SQUARE LEAVES THAT ARE SUPPORTED ON A CONTINUOUS LENGTH OF TREATED LIGHT WEIGHT PAPER. THE LEAVES SLIGHTLY OVERLAP EACH OTHER WITH THE OVERLAP MARKS OCCURRING AT APPROXIMATELY 6 INCH INTERVALS ON ALL OF THE ROLL SIZES. RIBBON LEAF OR ROLLS ARE BEST UTILIZED ON FLAT SURFACES AND CAN BE APPLIED BY HAND OR WITH A GILDING WHEEL.