

RAY-BAR X-RAY GLASS

X-RAY LEAD GLASS HAS A VERY SOFT SURFACE DUE TO THE HIGH LEAD CONTENT AND WILL SCRATCH OR STAIN VERY EASILY.

IT IS EXTREMELY IMPORTANT THAT THE FOLLOWING PRECAUTIONS BE FOLLOWED TO AVOID COSTLY DAMAGE.

- 1) ALWAYS WEAR PROTECTIVE EYE GLASSES AND NON-SLIP PROTECTIVE GLASS HANDLING GLOVES WHEN HANDLING ANY GLASS PRODUCTS
 - 2) NEVER USE KNIVES, RAZOR BLADES OR OTHER SHARP OBJECTS TO SCRAPE OR CLEAN THE X-RAY LEAD GLASS
 - 3) NEVER USE ANY ABRASIVE CLEANERS OR PAPER TOWELS ON THE LEAD GLASS AS THIS WILL SCRATCH OR "FOG" THE X-RAY LEAD GLASS
 - 4) NEVER USE STRONG DETERGENTS, CLEANERS OR SOLVENTS TO CLEAN LEAD GLASS. THIS WILL HELP REDUCE CHANCE OF STAINING OR DISCOLORATION.
 - 5) NEVER APPLY ANY TAPE (IE DUCT, MASKING, ELECTRICAL, ETC) TO X-RAY LEAD GLASS AS ADHESIVE BACKING MAY CAUSE STAINING.
 - 6) WIPE LEAD GLASS LIGHTLY WITH A CLEAN, SOFT, DRY MICROFIBER OR COTTON CLOTH.
 - 7) SMUDGES OR DIRT NOT REMOVED BY WIPING WITH DRY CLOTH CAN BE CLEANED WITH DISTILLED WATER OR WINDEX BUT MUST BE IMMEDIATELY WIPED DRY WITH A SEPARATE CLEAN, SOFT, DRY MICROFIBER OR COTTON CLOTH.
 - 8) NEVER GRIND NEAR X-RAY LEAD GLASS
- RAY-BAR STRONGLY RECOMMENDS THAT ALL LEAD GLASS IS TRANSPORTED IN A SECURE, UPRIGHT POSITION, PREFERABLY ON A GLASS RACK OR OTHER SUPPORT SYSTEM TO REDUCE THE CHANCE OF INJURY OR DAMAGE. IT SHOULD ALSO BE PROTECTED FROM RAIN OR MOISTURE, DUE TO ITS FRAGILITY AND POROUS CHARACTERISTICS.
 - RAY-BAR ASSUMES ABSOLUTELY NO RESPONSIBILITY FOR ANY DAMAGE TO GLASS ONCE MATERIAL HAS BEEN RECEIVED AND SIGNED FOR.

RAY-BAR ENGINEERING CORPORATION

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RAY-BAR X-RAY LEAD GLASS

PHYSICAL CHARACTERISTICS AND MAINTENANCE/HANDLING/STORAGE PROCEDURES

INSPECTION OF ACCEPTABLE CHARACTERISTICS

RAY-BAR RADIATION PROTECTIVE X-RAY LEAD GLASS IS A HIGH QUALITY SPECIALTY GLASS WITH A SOFT SURFACE AND FRAGILE “NON-STRUCTURAL” CHARACTERISTIC AND HAS A “SLIGHTLY IMPERFECT” SURFACE BY NATURE.

X-RAY LEAD GLASS HAS A NATURAL YELLOW HUE COLOR DUE TO ITS HEAVY METAL OXIDE CONTENT PROVIDING EXCELLENT GAMMA / PHOTON RADIATION SHIELDING RESISTANCE. (RADIATION SHIELDING VALUE IS DIRECTLY RELATED TO THICKNESS AND DENSITY OF LEAD GLASS). SEE SPECIFICATION / TECHNICAL DATA SHEET FOR DETAILS.

X-RAY SAFETY GLASS WILL HAVE MORE IMPERFECTIONS AND DEBRIS. X-RAY SAFETY GLASS IS PERMANENTLY LABELED TO MEET SAFETY REQUIREMENTS. SEE SPECIFICATION / TECHNICAL DATA SHEET FOR DETAILS.

- PLEASE NOTE THAT LEAD GLASS IS NOT TEMPERED, FIRE-RATED, IMPACT PROOF, AND SHATTER PROOF OR SCRATCH RESISTANT.

STORAGE AND HANDLING

- LEAD GLASS MUST BE HANDLED WITH EXTREME CARE DUE TO ITS FRAGILITY AND SOFT “EASY TO SCRATCH” SURFACE.
- LEAD GLASS IS VERY SOFT AND POROUS AND CAN READILY ABSORB CHEMICALS THAT WILL TARNISH OR STAIN IT, SUCH AS OILS, ACIDS OR ALKALINE BASED LIQUIDS OR CLEANERS.
- WIPE FINGERPRINTS AND SMUDGES IMMEDIATELY OFF WITH A SOFT AND CLEAN, DRY CLOTH.
- (PERSPIRATION, OIL, FATTY ACIDS AND GREASE FROM FINGERPRINTS LEFT ON THE LEAD GLASS WILL CAUSE PERMANENT MARKS AND TARNISHING)
- UNTIL INSTALLED, LEAD GLASS SHOULD BE KEPT UPRIGHT CUSHIONED IN SOFT FOAM AND IN A VERTICAL PROTECTIVE CONTAINER AWAY FROM MOISTURE, DUST OR TRAFFIC.
- **NEVER** EXPOSE LEAD GLASS TO ACIDS, ALKALIS OR HUMID ENVIRONMENTS.
- **ALWAYS** STORE GLASS SECURED IN A VERTICAL, UPRIGHT POSITION.

INSTALLATION

- USE VERY CLEAN, NON-SLIP PROTECTIVE GLASS HANDLING GLOVES WHEN HANDLING HEAVY OR SHARP LEAD GLASS.
- **ALWAYS** WEAR EYE PROTECTION WHEN HANDLING GLASS.
- **NEVER** “TABLE-TOP” OR HOLD LEAD GLASS FLAT OR HORIZONTALLY.
- TAKE CARE TO NEVER “BUMP” OR RUB LEAD GLASS AGAINST ANOTHER SURFACE AS LEAD GLASS IS VERY FRAGILE AND MAY EASILY BREAK, EGGSHELL, CHIP OR SCRATCH.
- TAKE CARE NOT TO PUT UNEVEN PRESSURE, TWIST OR BIND THE LEAD GLASS IN ANY WAY.
- STOPS SHOULD BE INSTALLED CAREFULLY WITH EVEN AND FIRM PRESSURE BUT **NEVER** HARD OR VERY TIGHT PRESSURE. BE SURE FRAME STOPS DO NOT “PINCH” THE GLASS.
- NEVER USE SEALANT OR CAULKING THAT CONTAINS ACID OR ALKALINE AGENTS.
- ALWAYS PAY CLOSE ATTENTION TO PROVIDE SUFFICIENT OVERLAPPING OF RADIATION SHIELDING MATERIALS AND THE LEAD GLASS PERIMETERS TO AVOID RADIATION LEAKAGE OR STREAMING.
- NEVER APPLY TAPE OR LABELS ON LEAD GLASS AS LEAD GLASS MAY STAIN IN REACTION TO ADHESIVE.
- NEVER USE KNIVES OR SHARP TOOLS ON LEAD GLASS.
- ALWAYS KEEP LEAD GLASS VERTICAL, SECURED, AND UPRIGHT FOR STRENGTH.

CLEANING

- WIPE LEAD GLASS LIGHTLY WITH A CLEAN AND SOFT, DRY MICROFIBER OR COTTON CLOTH.
- SMUDGES OR DIRT NOT REMOVED BY WIPING WITH DRY MICROFIBER OR COTTON CLOTH CAN BE CLEANED WITH DISTILLED WATER OR WINDEX BUT MUST BE **IMMEDIATELY** WIPED DRY WITH A CLEAN, SOFT DRY MICROFIBER OR COTTON CLOTH.
- NEVER USE ABRASIVE CLEANING AGENTS, ACIDS OR ALKALIS OR SOLVENTS.