



POWDER COATING BOOTH & ROOM CHECKLIST

1. THE POWDER COATING BOOTH/ROOM AND SUPPORTING DUCTING SHALL BE PROVIDED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM. ONE OF THE FOLLOWING SYSTEMS IS ACCEPTABLE: AUTOMATIC FIRE SPRINKLER, DRY CHEMICAL, CO₂, OR CLEAN GAS.
2. THE BOOTH/ROOM SHALL ALSO BE PROTECTED BY AN ADDITIONAL FLAME DETECTION EQUIPMENT TO SENSE THE PRESENCE OF A FLAME WITHIN 0.5 SECONDS. THIS DEVICE SHALL ALSO CONTROL THE FOLLOWING EQUIPMENT: POWER SUPPLY TO THE AIR COMPRESSOR, CONVEYOR, VENTILATION (EXHAUST AND SUPPLY), APPLICATION, TRANSFER AND POWDER COLLECTIONS.
3. CLOSE DAMPERS.
4. ACTIVATION OF LOCAL FIRE ALARM IN THE BOOTH OR ROOM.
5. ELECTRICAL EQUIPMENT WITHIN THE BOOTH/ROOM AND DUCT WORK SHALL BE CLASS I DIVISION 1 EXPLOSION PROOF.
6. ELECTRICAL EQUIPMENT OUTSIDE OF THE BOOTH AND WITHIN FIVE FEET HORIZONTALLY AND THREE FEET VERTICALLY SHALL BE CLASS I DIVISION 2 EXPLOSION PROOF.
7. ALL ELECTRICAL EQUIPMENT TO INCLUDE THE SPRAY DEVICE SHALL BE ELECTRICALLY BONDED TO OTHER EQUIPMENT WITHIN THE SPRAY BOOTH/ROOM.
8. WHEN FIRE EXTINGUISHING AGENTS ARE USED THAT ARE NOT AN UNLIMITED SUPPLY, THEN THE AIR SUPPLY OF THE SPRAY GUN SHALL BE ON A AUTOMATIC SHUT OFF WHICH IS INTERCONNECTED TO THE EXTINGUISHING SYSTEM CONTROLS.
9. PROVIDE A MINIMUM 4A:60BC RATED FIRE EXTINGUISHER WITHIN 30 FEET OF THE SPRAY BOOTH.
10. PROVIDE A MANUAL FIRE PULL STATION FOR THE FIRE EXTINGUISHER SYSTEM AT THE EXIT FROM THE SPRAY BOOTH IF ENCLOSED OR ADJACENT TO THE OPENING OF AN OPEN FACE BOOTH.
11. IF THE BUILDING IS EQUIPPED WITH A FIRE ALARM SYSTEM, THEN IT SHALL BE INTERCONNECTED TO SOUND AN ALARM WHEN THE AGENT IS RELEASED.
12. POWDER TRANSFER OF MIXTURES SHALL BE PROVIDED WITH A BONDING CABLE FOR THE PORTABLE CONTAINERS. ONE OF THE CONTAINERS SHALL BE GROUNDED TO THE SAME GROUND AS THE SPRAY BOOTH/ROOM. THIS TRANSFER SHALL BE WITHIN AN APPROVED ROOM.
13. THE TERMINATION POINT OF THE EXHAUST DUCT(S) SHALL NOT BE CLOSER THAN 30 FEET FROM THE PROPERTY LINE, 10 FEET FROM ANY BUILDING OPENINGS, 6 FEET FROM ANY NONCOMBUSTIBLE STRUCTURAL ELEMENTS OR 30 FEET FROM ANY COMBUSTIBLE STRUCTURAL ELEMENTS AND NO CLOSER THAN 10 FEET FROM THE GROUND.
14. FAN AND ROTATING ELEMENTS SHALL BE NONFERROUS OR NON-SPARKING.
15. THIS OFFICE SHALL BE NOTIFIED THREE WORKING DAYS IN ADVANCE TO CONDUCT THE INSPECTION OF ALL FIRE SUPPRESSION AND FIRE ALARM SYSTEMS.