

INACCESSIBILITY TO WORK AREA

1. Limit access to the work area by use of barricade tape when doing work that generates dust.
2. Persons entering this area need to be wearing the same PPE as those working there.

PROTECTIVE EQUIPMENT

Jobs related to pre-installation, installation, removal, packaging and clean-up of refractory ceramics require certain personal protective equipment because of potential exposure to unpredictable levels of airborne fibers and dust.

PPE requirements for working with refractory ceramic material:

1. Body Protection: Disposable paper coveralls with attached hood, and taped rubber boots.
2. Eye Protection: Monogoggles (recommend AllSafe G-211-90-R).
3. Hearing Protection: Protectors must be worn if levels are greater than 90 dB (OSHA Standard 29 CFR 1910.95).
4. Respiratory Protection: Respirator selection guide for various refractory ceramic tasks :

Outside An Enclosed Space

All Refractory Ceramic handling tasks including cutting blanket, handling exterior insulation covers and land filling waste

Half-face, air-purifying respirator with HEPA filters

Within An Enclosed Space

Tasks not creating a substantial dust cloud such as inspection, erecting scaffolds, repairs, installing modules and bulk material, welding, and bagging waste

Half-face, air-purifying respirator with HEPA filters

Within An Enclosed Space

Tasks that create substantial dust clouds such as removing blankets, modules, and bulk material, installing blankets, arc gouging

Full-face, air-purifying with HEPA filters (50xPEL), any powered air-purifying with HEPA filters (100xPEL); or any supplied air operated in continuous flow mode (100xPEL)

NOTE:

- OSHA Respiratory Protection Standard 29 CFR 1910.134.
- Recommended Half-face respirator is 3M 6000 series with #2040 HEPA filter and OVAG if necessary.
- In hot working conditions heat stress must be addressed.

PERSONAL HYGIENE

1. No eating, drinking and smoking is allowed in the work area.
2. Disposable work clothing should be removed and disposed of in the same manner as other refractory ceramic wastes.
3. Contaminated non-disposable work clothing should be vacuumed off prior to removal.

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