



C2K4 Liquid Releasable Conductive

ESD Carpet Tile Adhesive / Uses and Application

Typical coverage 160 to 180 square feet per gallon

Revision 04/2013

US C2k4 (aka CompuRelease) ESD flooring adhesive is a patented pressure sensitive conductive liquid adhesive designed for static control carpet tiles and specialty applications of esd vinyl flooring tiles*. This conductive adhesive allows the removal and subsequent replacement of damaged or worn esd floor coverings while maintaining its reliable long term permanent tack. C2K4 contains no VOC's, is solvent free, non- hazardous, provides excellent plasticizer resistance and is relatively odor free and easy to work with.

Application of this adhesive determines the bonding mechanism allowing competent flooring contractors to achieve either a permanent or releasable bond to a variety of flooring substrates including (but not limited to): Concrete, raised flooring access panels (steel and most composite materials), VCT and other substrates. ***Bond strength testing is recommended prior to full scale usage of this product as it is the clients responsibility to determine the suitability of all materials for use in their specific applications.**

All flooring substrates must be clean, level, dry, dust free and free of dirt, wax or any other material that may interfere with the overall bond strength of this product. This adhesive is photosensitive if exposed to ultraviolet light and will lose tack if exposed to this type of environment. Maintain floor covering material and adhesive at a minimum temperature of 65 Degrees F. 48 hours prior to, during and after installation.

Do not use this adhesive if excessive hydrostatic pressure exist. Test concrete surfaces for vapor emission per ASTM F-1869-98 prior to use using calcium chloride test kits identical or similar to those provided by [Vaprecision](#). This adhesive is designed for use on concrete surfaces exhibiting a vapor emission rate of <3.5 lbs. per 1000 SF over a 24 hour period.

Stir adhesive prior to usage as some settling of the conductive fiber (used in this product) may occur. This adhesive is not recommended for use over existing cutback carpet adhesive or its residue. Cutback adhesives must either be encapsulated or removed prior to usage of this material.

For releasable static control carpet tile installation on non-access substrates:

Apply this adhesive with a 1/16" x 1/16" x 1/16" U notch trowel. Adhesive must be full spread to achieve complete coverage. Do not use a roller to spread adhesive. For a releasable bond (leaving residue on the substrate but not on the back of the carpet tiles), allow the adhesive to "dry" prior to putting carpet tile in place. The average drying time on porous concrete is 90 minutes while the average drying time on non-porous substrates (like VCT) is approximately 120 minutes. The adhesive will turn from milky blue to transparent as it dries. Drying time is somewhat contingent on humidity, temperature and building ventilation. Coverage using this method is approximately 160 square feet per gallon. For increased bond strength (leaving a residue on both the tiles and the substrate) simply place the tiles into the adhesive while wet using the same spread rates as listed above.



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For releasable carpet tile installation on raised access flooring substrates:

***PLEASE NOTE:** This method is not recommended by vinyl flooring manufacturers nor the adhesive manufacturer but has been used successfully with tiles that have been heat treated and will not shrink). ***Bond strength testing is recommended prior to full scale usage of this product as it is the client's responsibility to determine the suitability of all materials for use in their specific applications.**

Apply this material using a 1/4" foam roller. Adhesive should be fully spread over the access floor panels to achieve complete coverage HOWEVER for easy removal of the raised access flooring panels care should be taken to avoid filling the seams between the panels with adhesive.

Install the tile into the adhesive while semi-wet (slight transfer to the fingertip) and immediately roll the tiles with a 100 pound vinyl flooring roller. For increased bond strength simply place the tiles into the adhesive while fully wet.

Coverage using this method is approximately 300 square feet per gallon.

For a permanent solid vinyl static control tile installation over existing VCT:

***PLEASE NOTE:** This method is not recommended by the vinyl flooring manufacturers nor the adhesive manufacturer but has been used successfully with tiles that have been heat treated and will not shrink. This application is NOT warranted by United SCP or their adhesive manufacturer. ***Bond strength testing is recommended prior to full scale usage of this product as it is the client's responsibility to determine the suitability of all materials for use in their specific applications.**

Remove any existing floor finish with ElectraStrip floor finish remover - double rinse flooring with clean cool water, allow to dry and damp mop with one coat of ElectraClean mixed with water. Allow to dry thoroughly. Apply the adhesive using a 1/16" x 1/16" x 1/16" square notch adhesive trowel.

Allow the adhesive to slightly tack up (medium transfer to the fingertip). Immediately install the tiles and roll with 100 pound vinyl roller. Allow to cure for at least 48 hours prior to use.

Coverage using this method is approximately 140 square feet per gallon.