

GROUTING OR CAULKING BENEATH FRAMES

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1. GENERAL	2.11 Additional Tools
1.1 Scope	2.111 Grouting
1.11 This section covers the specific requirements and installation procedures for,	Obtain Pail, Three Gallon or equivalent Locally R-1557 Trowel, Pointing, 4"
A. Mixing and placing cement grout between the bases of frames and the floor where required.	2.112 Caulking
B. Filling conspicuous spaces between the bases of frames and the floor with caulking compound where grouting is not used.	Obtain Gun, Caulking (Cartridge Type) Locally
1.2 Associated Information	2.12 Supplies
1.21 The "General" section of this handbook covering general requirements and information.	2.121 Grouting
1.22 Section 70 of this handbook covering Painting and Retouching, and Cleaning of Finishes.	Obtain Ready-Mixed Cement and Sand Locally
2. INSTALLING EQUIPMENT	2.122 Caulking
2.1 In addition to tools supplied in the general kits, the tools and materials listed below may be required for the operations covered by this section.	Obtain Compound, Caulking Cartridge Locally
	NOTE: DAP Brand Architectural Grade, "Aluminum Gray" may be used if available as it closely matches the color of the framework, otherwise any good grade of caulk may be used.
	RM-647651 Petroleum KS-7860 Spirits, Petroleum Obtain Tape, Masking 1-1/4" to 1-1/2" Locally wide

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3. PRECAUTIONS

3.1 General safety precautions against personal injury and equipment damage are outlined in the "General" section of handbook.

4. GROUTING

4.1 General

4.11 The space between the vertical leg of the IDF floor angle and the cable slot sheathing (see ED-90979-30) shall be filled with cement grout.

4.12 Formerly crossbar type frames were aligned approximately 1/2" above the floor and the space under the frame bases filled with grout. Frames added in an existing lineup where grout has been used should be similarly grouted.

4.13 Possibility of disturbing alignment of frames will be reduced if grouting is done as soon as practicable after the alignment.

4.2 Preparation

4.21 Remove dirt and loose material from under base angles.

4.22 To prevent grout entering tapped holes in bottom flanges of base angles, temporary screws may be inserted.

4.3 Mixing and Quantities Required

4.31 Mix according to instructions on bag. The grout shall be mixed outside of the equipment room.

4.32 Measure water accurately and gradually pour into the mixture of cement and sand, mixing thoroughly. Increasing the time spent in mixing will increase the strength of the product.

4.321 An excess of water weakens grout.

4.322 An insufficient amount of water weakens and prevents thorough mixing of grout.

4.33 Do not remix with water any partially dried out grout.

4.4 Placing

4.41 Completely grout about one foot of base angle at a time, making edges of grout flush with edges of base angle.

4.411 A flat, blunt stick can be used for packing grout under base angles.

4.5 Dressing and Curing

4.51 Dress the edges of grout, after it has set for a few hours, flush with the sides of base angles.

4.52 Cure the grout by moistening the exposed surfaces with water twice a day for two or three days. Make the first application after the grout has partially set but before the surfaces have become dry.

4.6 Painting

4.61 Grout should be painted in accordance with Section 70, Painting and Retouching, and Cleaning of Finishes.

5. CAULKING

5.1 General

5.11 Spaces between the frame bases and the floor of 3/16" or more should be filled with caulking compound.

5.111 Exceptions to filling spaces between frame bases and the floor are as follows:

A. Frames in carrier auxiliary stations. Spaces under these frames need not be filled.

B. Cable duct-type frames. The detachable guard rails on these frames are equipped with adjustable floor mouldings. Therefore, it is not necessary to fill the spaces under the frame bases.

C. Sheet-metal box-type frames (No. 5 Crossbar and ESS). No caulking between the frames and the floor is necessary. The moulding strip provided at the base of the frames on the front should be adjusted to fit the floor as snugly as practicable. No caulking is necessary even when the moulding strips are not furnished.

5.12 Conspicuous spaces (approximately 3/16" or more) between the bases of the frames and the floor where grouting is not used should as far as practicable be filled with Caulking Compound.

5.13 Apply the compound on a frame basis only: that is, where a 3/16" space exists at any point under a frame along the front or rear of the base, the compound should be used throughout the full length of that particular frame and on both sides of the frame. The compound should be applied flush with the base of the frame and should extend inward for at least 3/8".

5.14 The Caulking Compound is purchased locally by the cartridge. One cartridge is usually required for each 30 feet of frame line-up on the job.

5.2 Protection and Finishing

5.21 Remove any compound that may get on the side of the frame or on the floor by wiping with a cloth dampened with KS-7860 Petroleum Spirits before the compound is dry.

5.22 Due to difficulty which may be encountered with the caulking compound before it dries, it is advised that the compound be applied at the end of a week which will give it a chance to dry (at least on the surface) before the beginning of the next week.

5.221 To prevent difficulty from cords which might be dragged around the corner of frame bases and come in contact with the caulking compound, temporary protection should be provided at the ends of frame lineups by means of masking tape. Use tape 1-1/4" to 1-1/2" wide, obtained locally, and apply it at an angle between the vertical surface of the frame base and the tile in such a manner as to leave an air space between the surface of the compound and the tape. Use a strip long enough to extend around, and 3 or 4 inches past, the corners of the frames.

5.23 Recession of the surface of the compound due to shrinkage is not considered objectionable providing the compound does not pull loose from the tile or frame base and the shrinkage is not sufficient to prevent the removal, by standard cleaning procedure, of any dirt which may collect in the recess.

5.24 The color of the compound blends in with the gray metal framework. Unless requested by the Telephone Company, the compound need not be painted. If it is to be painted see Section 70, Painting, Retouching and Cleaning of Finishes.

No arrows due to
extensive change

Engineering Planning Manager
Common Installation and Services

Reason for Reissue

1. Major up date of section