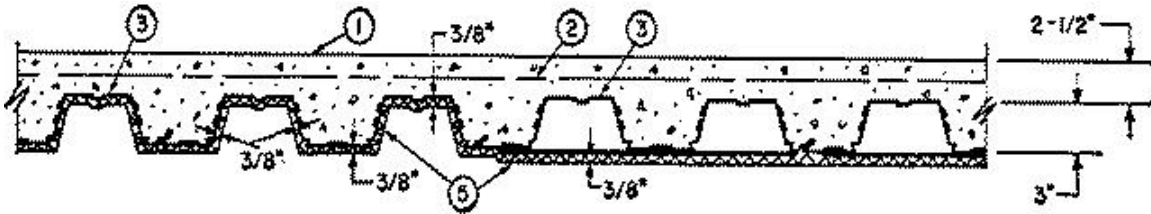


Design No. D730

June 14, 2002

Restrained Assembly Rating — 2 Hr.

Unrestrained Assembly Ratings — 1-1/2 and 2 Hr. (See Item 3)



1. **Normal-Weight Concrete** — Carbonate or siliceous aggregate, 150 (+ or -) 3 pcf unit weight, 4000 psi compressive strength.

2. **Welded Wire Fabric** — 6 by 6 in. No. 10/10 SWG.

3. **Steel Floor and Form Units*** — Composite, 2 or 3 in. deep galv units. Min gauges are 22 MSG for fluted units and 20/20 MSG for cellular units.

When the units are fluted or alternating one 24 or 36 in. wide cellular to one or more 24 or 36 in. wide fluted, the ratings are:

| | |
|-----------------------|------|
| Restrained Assembly | 2 hr |
| Unrestrained Assembly | 2 hr |

When the units are all cellular, the ratings are:

| | |
|-----------------------|----------|
| Restrained Assembly | 2 hr |
| Unrestrained Assembly | 1-1/2 hr |

CONSOLIDATED SYSTEMS INC — 24 or 36 in. wide Types CFD-1.5, CFD-2 or CFD-3. Units may be phos/ptd.

Alternate Construction — Noncomposite units of the same type listed above may be used, provided allowable loading is calculated on the basis of noncomposite design.

4. **Joint Cover** — (Not Illustrated). 2 in. wide pressure-sensitive adhesive cloth tape.

5. **Spray-Applied Fire Resistive Materials*** — Applied by mixing with water and spraying one coat to a final thickness as shown above, to steel surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. For method of density determination, refer to Design Information Section. Types 4, 5GP, 8GP, 9GP, MK-4, VP4 may be used only with all fluted steel floor units or blends consisting of one or more fluted units to one 24 in. wide max cellular unit, 1-1/2 or 3 in. deep, with cells spaced approx 6 and 8 in. respectively.

Use of spatter coat Type DK, SK-1 or SK-III is required on all cellular units with flat plate on the bottom, optional on other steel surfaces. Thickness of the spatter coat is included in the total final thickness of the protection material.

ARABIAN VERMICULITE INDUSTRIES — Type MK-5.

GRACE CANADA INC — Types MK-4, MK-5, SK-1.

GRACE KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1, SK-III.

PYROK INC — Type LD.

SOUTHWEST VERMICULITE CO — Types 4, 5, 5EF, 5GP, 5MD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD, DK.

VERMICULITE PRODUCTS INC — Types MK-4, MK-5, SK-1, VP4, VP5.

W R GRACE & CO - CONN CONSTRUCTION PRODUCTS DIV — Types MK-4, MK-5, MK-6/HY, MK-6s, Monokote Acoustic 1, RG, SK-III.

*Bearing the UL Classification Mark

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