UL Product iQ®

Type RD-42

File Number: R9379

COMPANY

ALLIED MOULDED PRODUCTS INC
222 N UNION ST
BRYAN, OH 43506-1450 United States

TYPE INFO

RD-42
Nonmetallic outlet and switch boxes with various suffixes

HOURLY RATINGS AND USE

Classification Period	Additional Information
2	For use in fire resistance walls constructed of wood or nonbearing steel studs and gypsum board with Classification periods of 2 hrs or less. Clearance between boxes and cutouts in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq in. Outlet and switch boxes on opposite sides of a wall or partition shall be separated by a horizontal distance of not less than 24 in. In walls containing 3-1/2 in. thick, min 2.5 pcf mineral wool batt insulation the horizontal separation between two or three gang outlet and switch boxes on opposite sides of the wall or partition may be reduced to 3 in. In walls containing 3-1/2 in. thick, min 0.70 pcf glass fiber batt insulation, the horizontal separation between two gang outlet and switch boxes on opposite sides of the wall or partition may be reduced to 6.5 in.
--	For use in Design No. U351 incorporating staggered studs and mineral wool cavity infill. Clearance between boxes and cut-outs in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq in. Outlet and switch boxes on opposite sides of a wall or partition within the same stud cavity shall be separated by a horizontal distance of not less than 3 in. Outlet and switch boxes on opposite sides of the wall and in separate stud cavities may be separated by a horizontal spacing of not less than 1-1/2 in.

HOURLY RATINGS AND USE

Classification Period	Additional Information
1, 2	For use in 1 and 2 hr fire rated gypsum board/wood stud wall assemblies framed with min 3-1/2 in. wide wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory . Clearance between boxes and cut-outs in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq in. Outlet and switch boxes on opposite sides of a wall or partition within the same stud cavity shall be separated by a horizontal distance of not less than 3 in. Boxes are suitable for installation in staggered stud wall configuration. Outlet and switch boxes on opposite sides of the wall and in separate stud cavities may be separated by a horizontal spacing of not less than 1-1/2 in.
1, 2	For use in 1 and 2 hr fire rated load bearing wood stud or non-load bearing steel stud wall assemblies constructed as specified in the Wall and Partition Designs in the Fire Resistance Directory . Clearance between boxes and cut-outs in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq in. Outlet and switch boxes on opposite sides of a wall or partition within the same stud cavity shall be separated by a horizontal distance of not less than 3 in.
1, 2	For use with moldable putty pads manufactured by Specified Technologies Inc. and designated Spec Seal Putty Pads. Spec Seal putty pads are Classified in the Fire Resistance Directory under the category Wall Opening Protective Materials. Putty pads and boxes for use in 1 and 2 hr fire rated load bearing wood stud or non-load bearing steel stud wall assemblies constructed as specified in the individual Wall and Partition Designs in the Fire Resistance Directory . Outlet box secured to wood stud by means of two nailing tabs in conjunction with nails supplied with the outlet box. Min 3/16 in. thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including nailing tabs and completely seal against the stud within the stud cavity. An additional 3/16 in. thickness of putty to be formed around the end of each nonmetallic sheathed cable at its connection to the box. Boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

HOURLY RATINGS AND USE

Classification Period	Additional Information
1, 2	For use with moldable putty pads manufactured by Minnesota Mining & Mfg Co. and designated MPP-4S+ Putty Pads. MPP-4S+ putty pads are Classified in the Fire Resistance Directory under the category Wall Opening Protective Materials. Putty pads and boxes for use in 1 and 2 hr fire rated load bearing wood stud or non-load bearing steel stud wall assemblies constructed as specified in the individual Wall and Partition Designs in the Fire Resistance Directory . Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including nailing tabs and completely seal against the stud within the stud cavity An additional 3/16 in. thickness of putty to be formed around the end of each nonmetallic sheathed cable at its connection to the box. Boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.
1, 2	For use with moldable putty pads manufactured by Nelson Firestop Products and designated FSP firestop Putty Pads. FSP firestop putty pads are Classified in the Fire Resistance Directory under the category Wall Opening Protective Materials. Putty pads and boxes for use in 1 and 2 hr fire rated load bearing wood stud or non-load bearing steel stud wall assemblies constructed as specified in the individual Wall and Partition Designs in the Fire Resistance Directory . Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) including nailing tabs and completely seal against the stud within the stud cavity. An additional 3/16 in. thickness of putty to be formed around the end of each nonmetallic sheathed cable at its connection to the box. Boxes installed with steel or plastic cover plates. When moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.
2	For use in fire resistance walls constructed of min. 5-1/2 in. deep wood or nonbearing steel studs and gypsum wallboard and gypsum board with Classification periods of 2 hrs or less. Clearance between boxes and cutouts in wall shall not exceed 1/8 in. The area of openings for boxes shall not aggregate more than 100 sq in. per 100 sq ft of wall or partition area with no opening exceeding 22.0 sq in. Outlet boxes with the suffix -42, -42SS may be installed back to back on opposite sides of wall or partition.

FOR USE IN

Design Links

U351

Report Date: 1980-07-17
Revision Date: 2025-08-22