JOINT SYSTEM DETAIL FOR NON FIRE-RATED SMOKE PARTITIONS (EXAMPLES)

TWO-SIDED APPLICATIONS

FLOOR OR ROOF OVER METAL DECK

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL
NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

FLOOR OR ROOF OVER METAL DECK

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/2" CP 506 FLUSH WITH BOTH SIDES OF WALL
NON-RATED GYPSUM WALL PARALLEL TO FLUTES

FLOOR OR ROOF OVER METAL DECK

MIN. 1/2" CP 506 FLUSH WITH BOTH SIDES OF WALL
NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

ONE-SIDED APPLICATIONS

FLOOR OR ROOF OVER METAL DECK

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL
NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

FLOOR OR ROOF OVER METAL DECK

MIN. 1/2" CP 506 FLUSH WITH ONE SIDE OF WALL
NON-RATED GYPSUM WALL PARALLEL TO FLUTES

FLOOR OR ROOF OVER METAL DECK

MIN. 1/2" CP 506 FLUSH WITH ONE SIDE OF WALL
NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

NON-RATED GYPSUM WALL PERPENDICULAR TO FLUTES

LIMITATIONS:
- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION THROUGH NON FIRE-RATED ASSEMBLIES.
- NOT FOR FIRE-RATED ASSEMBLIES.
- NOT FOR USE WITH CPVC PIPING.
- REFER TO PRODUCT LITERATURE FOR COMPLETE DETAILS ON INSTALLATION, SUITABLE APPLICATIONS, AND LIMITATIONS.
- FOR APPLICATIONS THAT DO NOT MEET THE CONDITIONS ABOVE, CONTACT HILTI TECHNICAL SUPPORT.
- THESE DETAILS REPRESENT GENERAL INSTALLATION GUIDELINES TO SATISFY SMOKE PARTITION SEALING REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2003, 2006, OR 2009). OBTAIN AUTHORITY HAVING JURISDICTION APPROVAL PRIOR TO INSTALLATION.
JOINT SYSTEM DETAIL FOR NON FIRE-RATED SMOKE PARTITIONS (EXAMPLES)

TWO-SIDED APPLICATIONS

FLOOR OR ROOF OVER METAL DECK

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL
NON-RATED BLOCK WALL PERPENDICULAR TO FLUTES

ONE-SIDED APPLICATIONS

FLOOR OR ROOF OVER METAL DECK

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL
NON-RATED BLOCK WALL PERPENDICULAR TO FLUTES

MINERAL WOOL OR GLASS-FIBER INSULATION

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL
NON-RATED BLOCK WALL PARALLEL TO FLUTES

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL
NON-RATED BLOCK WALL PARALLEL TO FLUTES

LIMITATIONS:

- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION THROUGH NON FIRE-RATED ASSEMBLIES.
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HILTI, Inc.
Tulsa, Oklahoma USA (800) 879-8000

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Scale 7/64" = 1"
Date Mar. 19, 2012

Saving Lives through Innovation and Education
JOINT SYSTEM DETAIL FOR NON FIRE-RATED SMOKE PARTITIONS (EXAMPLES)

TWO-SIDED APPLICATIONS

CONCRETE FLOOR

MIN. 1/2" CP 506 FLUSH WITH BOTH SIDES OF WALL

NON-RATED GYPSUM WALL

ONE-SIDED APPLICATIONS

CONCRETE FLOOR

MIN. 1/2" CP 506 FLUSH WITH ONE SIDE OF WALL

NON-RATED GYPSUM WALL

CONCRETE FLOOR

MIN. 1/2" CP 506 FLUSH WITH BOTH SIDES OF WALL

NON-RATED GYPSUM WALL

CONCRETE FLOOR

MIN. 1/2" CP 506 FLUSH WITH ONE SIDE OF WALL

NON-RATED GYPSUM WALL

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL

NON-RATED BLOCK WALL

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL

NON-RATED BLOCK WALL

LIMITATIONS:

- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION THROUGH NON FIRE-RATED ASSEMBLIES.
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THROUGH PENETRATION DETAIL FOR NON FIRE-RATED SMOKE PARTITIONS (EXAMPLES)

TWO-SIDED APPLICATIONS

DON-RATED GYPSUM WALL

THROUGH PENETRATION

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL

ONE-SIDED APPLICATIONS

DON-RATED GYPSUM WALL

THROUGH PENETRATION

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL

DON-RATED BLOCK WALL

THROUGH PENETRATION

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH BOTH SIDES OF WALL

DON-RATED BLOCK WALL

THROUGH PENETRATION

MINERAL WOOL OR GLASS-FIBER INSULATION

MIN. 1/4" CP 506 FLUSH WITH ONE SIDE OF WALL

LIMITATIONS:
- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION THROUGH NON FIRE-RATED ASSEMBLIES.
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- FOR APPLICATIONS THAT DO NOT MEET THE CONDITIONS ABOVE, CONTACT HILTI TECHNICAL SUPPORT.
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