

VIDEO

- 1) USG logo animation.
- 2) TITLE screen BUILD.
Ceiling Success Training

Dip to black.
- 3) Fade up from black into an opening montage sequence, showing a mix of manipulated still images and video clips from a variety of ceiling grid and tile installation settings, including: schools, apartment buildings, hotels, retail stores, healthcare environments, corporate offices and controlled environments.
- 4) CU to ECU zoom in on USG logo on product packaging.
- 5) CROSS DISSOLVE TO MWS PAN across installed DX ceiling suspension system. Follow with MWS of DXL system.
- 6) Time-lapse sequence of installer putting together system and installing ceiling tiles.
- 7) FLASH CUT series of shots showing different types of acoustical and decorative, specialty panel installations.

AUDIO

TAG MUSIC TO MATCH LOGO ANIMATION.

UPTEMPO MUSIC TRACK BEGINS UP FULL UNDER TITLE SCREEN BUILD.

MUSIC CONTINUES DOWN AND UNDER ANNOUNCER.

ANNCR (VO): As a leader in the building materials industry, USG has been perfecting the art of acoustical ceiling products and systems since 1928.

Our products can be found virtually everywhere people live and work in more than 125 countries around the world.

In the acoustical ceilings market, the USG logo and name are recognized as symbols for built-in quality and product performance.

In this video, we'll focus on USG's world-leading DONN® Brand ceiling suspension systems, including the DX and fire-rated DXL systems.

We'll show you the quick and easy steps to take in order to successfully lay out, estimate, purchase and install these systems.

And, you'll see how our grid designs not only mean fast installation in the field, but also provide adaptability with a wide variety of USG ceiling panel options.

For your convenience, the video is presented

VIDEO

- 8) BUILD showing representative screens for sectional graphics. Section graphics should be layered with representative images/scenes depicting the sectional topic.
- 9) Preview Section One title screen against color-coded blue background: *Basic Lingo & What It Means*
Background imagery/graphic shows common acronyms/words: NRC, CAC, AC, ASTM, UL, Plenum, Tee, Wall Angle.
- 10) Preview Section Two title screen against color-coded green background: *The Snap-n-Go Grid System*
Composite MS scene of grid installer snapping grid in place into background.
- 11) Preview Section Three title screen against color-coded yellow background: *The Plan of Action*
Composite MS scene of grid installer measuring room/charting plan.
- 12) Preview Section Four title screen against color-coded orange background: *Choosing the Right Panel*
Composite CU samples of panel textures/styles.
- 13) Preview Section Five title screen against color-coded red background: *Cutting & Installing Ceiling Panels*
Composite MS of installer cutting ceiling tile panel.
- 14) Section One title Screen BUILD

AUDIO

in five, independent training segments with color-coded, segment breaks so you can easily fast forward to the section topic you want to review.

In Section One, we'll highlight the basic ceiling language you need to know in order to help your customers plan and select an effective system to meet their needs.

In Section Two, we'll discuss grid anatomy and the unique features that are built into USG's Donn® Brand products to make installation a snap!

SFX OF AUDIBLE CLICK.

In Section Three, we'll show you how to properly lay out, estimate and install a DX or DXL grid system, using a detailed plan of action.

In Section Four, we'll discuss four types of USG ceiling panels... the benefits and style options each provides...and how each complements and completes a system installation.

And, in Section Five, we'll show you how to install ceiling panels to accommodate site-specific lighting and ventilation systems.

Let's get started!

OPENING MUSIC FADES INTO

VIDEO

against blue background:
Basic Lingo & What it Means

15) Montage of DX and DXL products and installed ceilings. Scroll semi-translucent words over imagery:
Wall Angle, Tee, On Center, Plenum

16) ECU of wall angle in application setting. Pull out to MWS showing perimeter of ceiling area. SUPER:
Wall Angle

17) WS of installed grid.

18) MCU PAN along main tee. PULL OUT TO MWS showing hanger wire attached to structural ceiling above. SUPER: *Main Tee*

19) WS of grid. ZOOM into MCU of installer snapping cross tee into place on main tees. SPLIT screen to show 4-foot and 2-foot length cross tees. SUPER: *Cross Tees* and ID each: *4-ft. - 2-ft.*

20) MS showing cross tee in a 2 x 4 foot grid pattern. PAN to 2 x 2 foot grid pattern within same grid system. SUPER: *2 x 4 foot cross tees*

21) EFFECT to MS showing 2 x 2 foot grid pattern using 2 x 2 foot cross tees. SUPER: *2 x 2 foot cross tees*

22) MCU of two connecting tees.

AUDIO

PROGRESSIVE SWEEP UNDER SECTION ONE TITLE GRAPHIC SEGUE. AS SWEEP ENDS, FADE UP BED MUSIC UNDER ANNOUNCER.

ANNCR. (VO): When you're discussing DONN® Brand ceiling solutions with your customers, there are certain terms that you need to understand in order to properly assist them. Here's a quick run-down on the meaning of some of the words and acronyms that you'll hear and use on a frequent basis.

Wall Angle refers to the L-shaped metal strips that provide a continuous finished edge around the perimeter of the ceiling, where the ceiling meets the wall.

Main Tees run from wall to wall between the wall angles as the primary support for the suspension ceiling's weight. They are available in 12-foot standard lengths...and, are hung by hanger wire from the structural ceiling's joists or other overhead supports.

Cross Tees snap into main tees as secondary support members to lock individual ceiling panels in place. They are available in both 4-foot and 2-foot lengths.

4-foot cross tees can be used for both 2 x 4 foot grid patterns and 2 x 2 foot grid patterns...whereas 2-foot cross tees are built for use in 2 x 2 foot grid patterns only.

On Center, or o.c., refers to the method of measurement between tees...from the center of one tee to the center of the next.

VIDEO

HIGHLIGHT measurement from center of one tee to center of next. SUPER: *On Center (o.c.)*

23) WS of grid system installation. HIGHLIGHT plenum area above the grid system to ceiling. ZOOM in to hidden HVAC air return.

24) Against blue background, EFFECT in USG logo. DISSOLVE IN graphic icons for sound rating and UL Classified rating. DISSOLVE IN ASTM logo. DISSOLVE OUT Classified rating icons. PULL sound rating icon into a headline merging with the ASTM logo. SUPER:

ASTM (icon here)

Non-profit, national technical society that sets standards for ceiling industry.

KEEP headline. DISSOLVE out definition. BUILD on ratings:

1. *Noise Reduction Coefficient*
2. *Ceiling Attenuation Class*
3. *Articulation Class*

25) Sound rating icon becomes graphic bug in lower left corner of screen.

DISSOLVE IN illustration and HIGHLIGHT sound dissipating into panel. SUPER: *Noise Reduction Coefficient (NRC)*

26) Series of shots showing open office setting, healthcare setting and school setting. SUPER: *NRC* next to sound icon bug over series.

27) DISSOLVE back to original illustration, keeping bug constant in

AUDIO

Plenum indicates the space above the ceiling panels, between the tiles and the structural ceiling. Many times, ceiling suspension systems hide HVAC air returns and other noise-bearing hardware in the plenum.

All USG ceiling panels and tiles are classified by Underwriter's Laboratories, Incorporated for acoustical performance in a variety of diverse applications. This UL symbol assures you that USG adheres to recognized ASTM standard test methods.

ASTM is a non-profit, national technical society that publishes definitions, standards, test methods, recommended installation practices and specifications for all ceiling materials.

There are three types of ASTM ratings that are used to indicate the acoustical abilities of ceiling panels. They're known as:

Noise Reduction Coefficient...Ceiling Attenuation Class...and Articulation Class.

Noise Reduction Coefficient, or **NRC**, measures the amount of noise a panel can absorb. For applications in open plan offices, healthcare facilities and schools, the NRC rating is very important to consider during the planning stage of an installation.

Ceiling Attenuation Class, or **CAC**, measures the amount of transmitted sound passing through a panel and the plenum into an adjacent workspace. In private office settings with shared walls, the CAC rating should be

VIDEO

lower left corner of screen. SUPER: *Ceiling Attenuation Class (CAC)* HIGHLIGHT sound path traveling through panel and plenum into adjacent workspace. HIGHLIGHT and ID *Plenum* in illustration.

28) Shot of private office setting.

29) DISSOLVE TO side angle illustration showing suspended ceiling in place. Keep bug constant in lower left corner of screen. SUPER:

Articulation Class (AC)

HIGHLIGHT reflected sound path into neighboring workspaces.

30) Shot of open plan office area with installed ceiling suspension system.

31) GRAPHIC bar build showing higher rating = better sound control.

32) BUILD composite of nine quadrangles showing sampling of the range of USG products in all types of workspaces/settings.

33) Section Two title screen BUILD against color-coded green background: *The Snap-n-Go Grid System*

34) MS of installer moving quickly through the installation process of a DX grid system.

35) CU of easy tee removal.

AUDIO

carefully considered before choosing a panel style.

Articulation Class, or **AC**, measures the sound that's reflected from the ceiling to neighboring workspaces. It indicates how much or how little of a conversation would be heard from one space to the next. The AC rating is especially important to consider in open plan office installations.

For all three ceiling rating classifications, the higher the measured rating, the better the sound control in a designated space.

USG is proud to offer a wide range of innovative ceiling products that meet and exceed published performance values for NRC sound absorption, CAC sound transmission loss and AC sound articulation class.

BED MUSIC FADES DOWN AND OUT.
MUSICAL SWEEP FADES UP TO MATCH
GRAPHIC SEGUE. AS SWEEP ENDS,
FADE UP BED MUSIC UNDER
ANNOUNCER.

ANNCR. (VO): USG's DONN® Brand line of Suspension Systems are the fastest installing systems in the world! All DONN® Brand grid systems are designed to deliver strength and durability...visual appeal...and easy installation and removal.

VIDEO

36) Table top shot of supplies, including hanger wire, main tees, cross tees and wall moldings.

37) Series of CU shots effect on showing 9/16", 15/16" and 1 1/2" grid installations. Continue with CU shots of FINELINE® grid installations with 1/8" and 1/4" exposed grids.

38) ECU of Quick Release™ Clip as installer snaps cross tee into main tee.

39) ECU of lead relief edge. PULL back to show installer easily inserting cross tee and quickly snapping into place, then moving to next cross tee position.

40) ECU of top stop notch. CUT TO MS of installer demonstrating tight fit and cross tee cantilever.

41) ECU of end of clip. Follow as it's insert and clicks into place. CUT to MS match frame angle.

42) CU of clip-to-clip lock area. PULL back to show installer testing strength of system.

43) MCU of installer easily removing tee from grid with just his hands.

AUDIO

The basic parts of a DX or DXL grid system include: hanger wire, 12-foot main tees, 4-foot and 2-foot cross tees and wall moldings.

The DX and DXL system grids are available in 9/16", 15/16" and 1 1/2" exposed grid widths. FINELINE® system grids are available in 1/8" or 1/4" exposed grid widths.

All DONN® Brand suspension systems are equipped with USG's patented Quick-Release™ Clip that combines innovation and technology to provide installers with several installation benefits.

A tailored lead relief edge reduces the amount of force needed to insert cross tees, helping to increase productivity and decrease installation time.

The top stop notch improves system tightness and cross tee cantilever...and, allows for more consistent cross tee insertion.

The clip's special, end flag shape produces a loud, audible click upon insertion to let you know when the cross tee is locked into place.

The clip-to-clip locking tolerance adds stability, keeps the system square, eliminates rattles and allows the system to support up to 400 pounds of lighting and venting fixture weight.

The Quick-Release™ Clip also lets installers remove cross tees and main tees quickly and easily without the use of tools.

VIDEO

44) MATRIX showing fire-code and seismic code rating approval for DX and DXL systems.

HIGHLIGHT Class A rating for all products. HIGHLIGHT intermediate and heavy duty classifications. ZOOM into load capacity specifications showing weight per lineal foot for 4-foot, 5-foot and 6-foot hanger spacings.

45) Beauty shots of installed grid systems in a variety of locations.
SUPER: *Resists Corrosion*
30-year, Lifetime Warranty

46) Section Three title screen BUILD against color-coded yellow background: *The Plan of Action*

47) WS of installer measuring space and marking notations on graph paper as he goes.

48) CUT TO CU of graph sheet

AUDIO

All DONN® Brand suspensions systems meet or exceed all national life-safety code requirements, including seismic codes in areas where earthquakes are a threat.

The DX and fire-rated DXL grid systems are rated Class A, the best rating possible, and are approved for use in either intermediate or heavy duty installations with specified and rated load capacities. 4-foot, 5-foot or 6-foot hanger spacing requirements indicate how much weight per lineal foot these systems can bear.

USG's exclusive coating system on grid components resists corrosion. And, all DONN® Brand systems are backed by a 30-year, lifetime warranty when used in conjunction with USG ceiling panels to ensure customer satisfaction.

BED MUSIC FADES DOWN AND OUT.
MUSICAL SWEEP FADES UP TO MATCH
GRAPHIC SEGUE. AS SWEEP ENDS,
FADE UP BED MUSIC UNDER
ANNOUNCER.

ANNCR (V0): Good planning is as important as careful installation. A well defined plan of action will help you and your customers accurately estimate the materials needed... and, will prevent the potential for time-consuming errors.

Here's an easy, four step guide to follow in estimating any space for a 2 x 4 foot grid system installation.

Start by drawing a the room to scale on a

VIDEO

showing beginning of drawing.

49) MS of installer measuring walls at ceiling level.

50) CUT back to CU of graph sheet showing dimensions of irregular areas noted. Hand enters shot and draws the center line onto graph sheet.

51) MCU of installer looking at ceiling, then back to graph sheet.

52) CUT back to CU of graph sheet showing marks for main tees indicated on drawing. HIGHLIGHT last mark area on drawing.

53) EFFECT to alternate drawing showing less than 2 feet remaining and HIGHLIGHT the alternate approach on the drawing, pointing out symmetrical border panels around the perimeter.

54) MCU of light fixture. TILT to CU of installer drawing fixture into plan.

55) ECU of graph sheet as installer plots cross tees onto drawing.

56) WS of installer in center of room drawing on graph sheet.

57) CU of graph sheet as hand draws broken line to indicate 2 x 2 foot grid pattern on 2 x 4 tee installation.

AUDIO

graph sheet. Use a convenient scale, like one square equals one square foot...or, for large spaces, one square equals four square feet. Measure around all walls at ceiling level, including any irregular areas like bays, alcoves, columns or beams, and stairwells...and, note each dimension on the drawing.

Next, note the joist direction...and, draw the room center line perpendicular to the ceiling joists.

Now, locate the main tees by beginning with the center line and going toward each side wall, marking 4-foot intervals across the room's width. If more than 2 feet remain between the last mark and the side wall, locate the main tees at these marks. If less than 2 feet remain, locate the main tees at 4-foot intervals beginning 2 feet on either side of the center line. This procedure will ensure symmetrical border panels of the largest possible size, making the most efficient use of the material. The location of light fixtures and air diffusers in the room should also be considered here.

Finally, locate the cross tees by drawing lines 2 feet On Center, perpendicular to the main tees. For economy and appearance, and to obtain border panels of equal size... begin at the center of the room, using the same procedure used to locate the main tees.

To modify the drawing for a 2 x 2 foot grid pattern, simply divide each 2 x 4 foot module ...and, indicate the additional 2-foot cross

VIDEO

58) MS of installer cross referencing measurements from the graph sheet as he uses the Materials Estimator. ZOOM TO CU of Estimator in hand. HIGHLIGHT the easy guide quantities shown on the Estimator.

59) Table top shot of lag screws.

60) Table top shot of 12-gauge wire and 18-gauge wire. SUPER:
Commercial - 18-gauge
Residential - 12-gauge
PAN from wire to box of 6d nails.

PAN to spool of string.

61) Table top ECU of metal snips.

PAN to chalk line and level.

PAN to pliers, utility knife and safety glasses.

62) MCU of accessories grouping with partition attachment, conversion tee, 4-way intersection clip and molding attaching clip.

63) MS of installer measuring ceiling height and marking corner of room

AUDIO

tees with a broken line.

Using the measurements from the ceiling plan and a USG Materials Estimator slide rule, you can determine the supply quantities you need to complete the installation. Your checklist of supplies should include:

- enough lag screws to attach hanger wires to the overhead joists,
- enough 12-gauge wire for commercial installation or 18-gauge wire for residential installation,
- 6d common nails to nail wall angles in place,
- string to mark main tee and initial cross tee locations,
- metal snips or a hacksaw to cut tees and wall angles when necessary,
- a chalk line,
- a level,
- pliers,
- a utility knife,
- safety glasses

and, any accessories that are chosen to add finishing touches to the system installation.

To begin installing the ceiling, choose a ceiling height, leaving at least a 3-inch

accordingly.

64) MCU of installer snapping chalk line onto wall, 3/4" above marked ceiling height, then checking with a level.

65) CU of metal wall angles in installers hand. Follow as installer places the wall angle along chalk line. PULL back as he begins nailing wall angle to wall.

66) MCU of installer snipping wall angle with metal snips to make a 90 degree joint at corner.

67) EFFECT TO CU of inside corner example showing 45 degree angle and fit.

68) WS of installer stretching string across room to mark main tee location. CUT TO CU of string wrapped tightly around nail with a ceiling grid clamp attached to it.

69) MWS of installer marking the first row of cross tees with a perpendicular string attachment.

70) ECU PAN on main tees showing pre-punched slots.

71) MWS of installer installing lag screw and attaching hanger wire to the lag screw. PUSH TO MCU showing 6 inches of wire below the string line, then follow as installer tightens screw.

72) CU of installer using pliers to

minimum clearance below the lowest air duct, pipe or beam to allow for installing ceiling panels. Then, measure and mark the desired height at each room corner.

Next, mark the perimeter of the entire room by snapping a chalk line 3/4" above your desired ceiling height. Check it with a level to be sure the ceiling will be level all around.

Then, place the top of the wall angles along the chalk line, and nail them into the wall. Space nails every 2 feet on center or closer.

At inside corners, cut wall angles at 90 degrees and butt them together. At outside corners, miter them 45 degrees and fit them snugly together.

Now, stretch a string across the room at ceiling height to locate each main tee. Pull the string tight around nails that you inserted between the wall and the wall angle on the opposite wall locations. You can use ceiling grid clamps to anchor the string.

Stretch a string perpendicular to the main tee strings to mark the first row of cross tees only. Main tees are equipped with pre-punched slots for aligning the remaining cross tees.

Now, install lag screws at 4-foot intervals along the main tee string lines. Then, attach the hanger wires to the lag screw. The wires should extend 6 inches below the string line. Twist the screw eyes tightly.

Using pliers, bend the hanger wires at a 90

VIDEO

bend wire at 90 degrees.

73) MS of installer snipping main tee to fit at the wall, then placing the cut end onto the wall angle.

74) ECU of wire being pulled through the lower, round hole in the main tee. Follow as wire is bent up and twisted to secure the main tee.

75) MWS of grid system with all main tees hung and installer in the midst of installing cross tees, demonstrating left-handed entry.

CUT TO match action MCU as cross tee enters main tee and clicks into place.

76) ECU of cross tee intersection, showing second tee entering to the left of the first cross tee end.

77) WS of installer quickly installing cross tees across the grid system.

78) MCU of cross tee removal from main tee.

Section Four title screen BUILD against color-coded orange

AUDIO

degree angle 3/4" above the string line.

In each row, trim the main tee at the wall so that the slot for the first row of cross tees lines up at the string. Rest the cut end of the main tee on the wall angle.

Next, pull each hanger wire through the lower, round hole in the main tee. After checking the string line to be sure the tee is level, bend the wire up and around, twisting the end 3 1/2 full turns to secure it.

After main tees are hung, cross tees can be installed. All DONN® Brand grid systems are designed with a left-handed approach to cross tee insertion to enable a quicker, more comfortable angle for the installer.

To install a cross tee, enter from above the main tee to prevent damage to the main tee...and push the offset end of the cross tee through the main tee slot until you hear it click. (SFX)

Where two cross tees intersect in the same slot, be sure to insert the second tee to the left of the first cross tee end.

Continue to stab, click and go until all cross tees are in place for the entire system.

To remove a cross tee, simply push up on the main tee...and, with a quick snap, rotate it away from the cross tee until the cross tee pops out.

BED MUSIC FADES DOWN AND OUT.
MUSICAL SWEEP FADES UP TO MATCH

VIDEO

background: *Choosing the Right Panel*

79) DISSOLVE TO series of shots showing various stages of installation as well as scenes depicting people at work in open office environments, healthcare facilities, schools, etc. into MWS of a meeting in progress in one cube.

corridor with students in hallway walking to class. Follow with WS of restaurant setting.

80) PAN across ceiling panel installation with good light reflectance capability.

81) CUT to MCU of person working at computer at work station. PULL OUT to show the light reflectance value of the overhead suspended ceiling.

82) GRAPHIC BUILD over background. SUPER:

Types of USG Ceiling Panels

- *X-Technology Ceiling Panels*
- *Acoustone® Ceiling Panels*
- *Auratone® Ceiling Panels*
- *Fiberglass Ceiling Panels*

83) Montage of shots showing Eclipse™ *ClimaPlus™*, Mars™ *ClimaPlus™*, Millennia® *ClimaPlus*, Orion® 210/220 *ClimaPlus* and Orion® 270 *ClimaPlus* tile textures

AUDIO

GRAPHIC SEGUE. AS SWEEP ENDS, FADE UP BED MUSIC UNDER ANNOUNCER.

ANNCR. (VO): USG's acoustical ceilings deliver unmatched performance and value...and, can be used to control the quality of sound and light reflectance in all kinds of applications!

The amount of reflected light in a space can also be controlled by the style of USG ceiling panel chosen. Panels with a higher light reflectance rating will help reduce eye strain from computer glare as well as energy costs and the number of light fixtures needed in a space.

USG offers numerous ceiling panel options to absorb and contain sound...and, to help illuminate a space cost effectively.

The four types of USG Ceiling Panel lines that are available to your customers are categorized as: X-Technology, Acoustone®, Auratone® and Fiberglass Ceiling Panels.

X-Technology Ceiling Panels and Tile are manufactured using a unique process that maximizes sound and environmental performance, and provides several optimal features and benefits, including:

- a smooth surface with high NRC and excellent CAC performance,

VIDEO

and installations. FREEZE and DIM scene. BUILD SUPER:

X-Technology Ceiling Panels

- *smooth surface*
- *high NRC & excellent CAC performance*
- *superior stain resistance & stability*
- *high temperature/humidity endurance up to 104° F/95% relative humidity*
- *high light reflectance ratings*
- *easy maintenance & cleanability*

83) Recap six different surface styles showing CU samples of each:

Eclipse™ *ClimaPlus*™, Mars™ *ClimaPlus*™, Millennia® *ClimaPlus*, Orion® 210/220 *ClimaPlus* and Orion® 270 *ClimaPlus* tile textures and installations. SUPER:
10-year, 15-year & Lifetime Warranties available

84) Montage of environments showing range of Acoustone® Ceiling Panels installed, including:

“F” Fissured™, Frost™, Glacier™, Moraine and Sandrift™ panels.

FREEZE and DIM scene. BUILD SUPER:

Acoustone® Ceiling Panels

- *attractive, abuse-resistant surface*
- *high NRC & good CAC ratings*
- *high light reflectance ratings*
- *easy maintenance & cleanability*

AUDIO

• superior stain resistance and outstanding dimensional stability,

• high temperature and humidity endurance up to 104° F/95% relative humidity without visible sagging, warping or shrinking,

• high light reflectance ratings,

• and, easy maintenance and cleanability using a soft brush, vacuum or dry sponge.

X-Technology panels are available in six different styles and are warranted for 10 years, 15 years or a lifetime depending upon selection.

Acoustone® Acoustical Ceiling Panels and Tile are manufactured using a casting process that produces premium acoustical ceiling products with clear-through color to help mask nicks and scratches. Acoustone® Ceiling Panels provide:

• attractive, abuse-resistant surface appearances with high NRC and very good CAC performance ratings,

• high light reflectance ratings,

85) CU of foil backing. SUPER:

- *foil backing sound barrier*
- *stays cleaner longer*

86) Recap CU's showing samples of five surface styles: "*F*" *Fissured™*, *Frost™*, *Glacier™*, *Moraine* and *Sandrift™* panels.

87) Montage of environments showing some Acoustone® Ceiling Panels installed, including: *Artisan Colors, Aspen, Facets, Fissured, Mosaic, Olympia II, Omni, Pebbled, Pin-Perforated II, Tahoe and Touchstone ClimaPlus™* FREEZE and DIM scene. BUILD SUPER:

Auratone® Ceiling Panels

- *good CAC ratings*
- *average NRC values*
- *high light reflectance abilities*
- *easy maintenance & cleanability*

88) Continue montage showing CU's of surface options.

89) Table top beauty shot of Ceiling Systems Catalog.

90) Montage of environments showing Fiberglass Ceiling Panels installed, including: *Mars ClimaPlus High NRC, Premeir Nubby™ ClimaPlus and Premeir Hi-Lite™ ClimaPlus* panels. FREEZE and DIM scene. BUILD SUPER:
Fiberglass Ceiling Panels

- and, easy maintenance and cleanability with a soft brush, vacuum or dry sponge.

Foil backing acts as a sound barrier and resists breathing so Acoustone® panel surfaces stays cleaner longer,

Acoustone® Ceiling Panels are available in five textured surface styles to complement and complete any DX, DXL or FINELINE® suspension system.

Auratone® Acoustical Ceiling Panels and Tiles are manufactured by a water-felted process that creates a wide variety of surface textures, perforations and/or fissures that aid in sound absorption.

Auratone® panels have good CAC ratings and are suitable for applications where average NRC values are required. They also offer high light reflectance abilities and easy maintenance and cleanability using a soft brush, vacuum or dry sponge.

Auratone® Ceiling Panels are available in 11 different styles...some offering special features and benefits. For details, see the product pages in your Ceiling Systems catalog.

Fiberglass Ceiling Panels are manufactured using varying thicknesses of fiberglass basemats with assorted laminated surfaces. They provide:

- the highest NRC ratings of all USG ceiling panels,

VIDEO

- *highest NRC ratings*
- *smooth, attractive appearances*
- *high light reflectance ratings*
- *easy maintenance and cleanability*

91) CU's of surface styles. SUPER:
Warranted up to 15 years

92) Series of shots showing square edge, shadow line and reveal edge pattern installations.

93) MWS of a square edge pattern, followed by MWS of a shadow line edge pattern, followed by MWS of a reveal edge pattern.

94) Series of shots showing Specialty Ceiling applications.

95) Section Five title screen BUILD against color-coded red background:
Cutting & Installing Ceiling Panels.

96) MWS showing installer inserting full ceiling tiles into grid system.

AUDIO

- smooth, attractive appearances,
- high light reflectance ratings,
- and, easy maintenance and cleanability using a soft brush, vacuum, or dry sponge.

Fiberglass Ceiling Panels are available in three popular styles and are warranted for up to 15 years in high temperature and humidity areas.

Aside from 2-dimensional panel presentation, all USG ceiling panels can be installed using an edge pattern to create a 3-dimensional look in the final installation. The square edge....shadow line...and reveal edge patterns are three popular techniques that can be used to complement and enhance the style of a grid design.

In addition to USG's wide range of standard ceiling panel and tile products, there are several other decorative, Specialty Ceiling options for your customers to consider to produce an even more dramatic impact in public areas, lobbies or architecturally appointed environments. Refer to your Ceiling Systems Catalog for more information on USG Specialty Ceilings.

BED MUSIC FADES DOWN AND OUT.
MUSICAL SWEEP FADES UP TO MATCH
GRAPHIC SEGUE. AS SWEEP ENDS,
FADE UP BED MUSIC UNDER
ANNOUNCER.

ANNCR. (VO): Installing USG ceiling panels into a suspension system grid pattern is a

VIDEO

Installer is wearing safety glasses.

97) Table top shot of utility knife, coping saw, straight edge, tape measure and safety glasses.

98) MS of installer checking back side of panel for directional marking

ZOOM TO MCU of panel showing directional indicator.

SPLIT SCREEN to show non-directional panel with no indicated markings on the back.

99) MS of installer angling the panel up through the opening into the plenum, then lowering the panel into place until it locks into the tees.

100) MS of installer measuring border grid opening at both ends and in the center.

101) CU of panel, face side up as installer marks dimension on panel.
PULL OUT TO MCU.

102) SPLIT SCREEN demonstrate comparing starting border row panel to finishing border row panel.

SUPER accordingly:

Starting Row - tongue edge

Finishing Row - flange edge

103) MS demonstration by installer

AUDIO

simple process that's quick and easy.

Necessary supplies include a utility knife, a coping saw, a straight edge, a tape measure or carpenter's rule and safety glasses.

To install full tiles into the grid system, first check the back side of the tile to determine if it's a directional or non-directional ceiling panel. If it's a directional panel, all tiles must be inserted in the same direction in order to achieve the desired look. The back of the panel will indicate the appropriate direction. If it's a non-directional panel, no directional markings will appear on the back of the panel and the panel will deliver the same visual effect no matter how it's installed.

To slide the panel into place, simply angle the tile through the grid pattern until it's in the plenum. Then, straighten and lower it until it locks into the tees in the desired opening.

To cut panels to fit border rows, begin by measuring the border row opening at both ends and in the center to be sure the measurement is consistent throughout.

Then, lay the panel on a flat cutting surface, face side up and mark the measurement on the tile. Line a straight edge up with the measurement, and use a utility knife to cut through the panel. If the panel belongs in a starting border row, always cut from the tongue edge of the tile. If the panel belongs in a finishing border row, cut from the flange edge of the tile.

If you're matching an edge pattern in the

VIDEO

showing correct way to measure, mark and cut an edge configuration into a border panel.

104) CU of a molding attachment accessory being installed into the wall to support the outer edge of the border panel at the wall union.

105) MS demonstration by installer showing him draw and cut an opening in a panel to accommodate a light fixture.

106) MCU of panel being cut. PULL OUT to MWS as installer demonstrates 2-piece installation.

Dip to black.

107) Recapping montage of various DX, DXL and FINELINE® applications from body of show.

108) Series of accessory shots showing practical applications for each, including 3-way/4-way intersection clips for island ceiling application; 2 x 2 vinyl light frame insert being snapped into tees; partition clip attachment to office divider partition; load transfer clip for

AUDIO

border row, measure and mark the panel 3/4" larger than the opening between the tees, then use the utility knife to partially cut through the surface and along the edge of the panel to produce the desired effect. A molding attachment clip may be necessary to prevent the border panel from sagging at the wall union.

To install panels around obstructions such as light fixtures or vents, draw the objects exact location and measurement on the panel. Then, cut out the location using a coping saw or utility knife.

To slide the panel over pipes, columns or posts, cut from the hole to one side. If necessary, the panel can be cut to opposite sides and installed in two pieces.

OPENING MUSIC TRACK UP FULL, THEN DOWN AND UNDER ANNOUNCER.

ANNCR.: USG's DONN® Brand line of Suspension Systems offers your customers the fastest installing and most complete selection of decorative designs and cost-effective options in the commercial building industry.

We also provide a complete range of installation accessories to accommodate specific installation challenges, including: 3-way and 4-way intersection clips for island-type ceilings...vinyl light frame inserts for fitting undersized fixtures...partition attachment clips for free standing walls ...load transfer clips...T face covers to hide

VIDEO

lower ceiling application; T face cover sliding over scratched grid section; T sleeve sliding over tee connection; and a plant being hung on an AH1 hook accessory.

109) Table top beauty shot of catalog.

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AUDIO

grid imperfections...T sleeves to cover end-to-end tee connections...and AH1 hooks to hang objects up to 20 pounds for a grid system tee.

For more information on any of our ceiling products and accessories, refer to your USG Ceiling Systems Catalog...contact a USG service representative at 1-800-USG-4YOU...or visit our website at www.usg.com.

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VIDEO

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