

# Geometry: Solid

## Geometry

### Functions

afx\_msg void **OSGeometryUI::CreateSolid** (const VARIANT FAR &nSolidNo, const VARIANT FAR &nNodeA, const VARIANT FAR &nNodeB, const VARIANT FAR &nNodeC, const VARIANT FAR &nNodeD, const VARIANT FAR &nNodeE, const VARIANT FAR &nNodeF, const VARIANT FAR &nNodeG, const VARIANT FAR &nNodeH)  
Creates a plate with specified existing nodes in current model.

afx\_msg VARIANT **OSGeometryUI::AddSolid** (const VARIANT FAR &nNodeA, const VARIANT FAR &nNodeB, const VARIANT FAR &nNodeC, const VARIANT FAR &nNodeD, const VARIANT FAR &nNodeE, const VARIANT FAR &nNodeF, const VARIANT FAR &nNodeG, const VARIANT FAR &nNodeH)  
Adds a solid with specified existing nodes in current model, and returns the solid number ID automatically assigned with.

afx\_msg void **OSGeometryUI::DeleteSolid** (const VARIANT FAR &nSolidNo)  
Delete a specified solid.

afx\_msg VARIANT **OSGeometryUI::GetLastSolidNo** ()  
Returns the solid number ID of the last solid in the model.

afx\_msg VARIANT **OSGeometryUI::GetNoOfSelectedSolids** ()  
Returns the number of selected solid(s).

afx\_msg void **OSGeometryUI::GetSelectedSolids** (VARIANT FAR &naSolidNos, VARIANT FAR &nIsSorted)  
Returns a list of selected solid(s).

afx\_msg VARIANT **OSGeometryUI::SelectMultipleSolids** (const VARIANT FAR &naSolidNos)  
Selects multiple solid(s) in current model.

afx\_msg VARIANT **OSGeometryUI::SelectSolid** (const VARIANT FAR &nSolidNo)  
Selects the specified solid in current model.

afx\_msg void **OSGeometryUI::AddMultipleSolids** (const VARIANT FAR &naIncidences)  
Add multiple solids in the structure.

afx\_msg VARIANT **OSGeometryUI::GetSolidCount** ()  
Returns the total number of solids in the current model.

afx\_msg void **OSGeometryUI::GetSolidList** (VARIANT FAR &nSolidList)  
Returns a list of all the solid ID(s) the current model.

afx\_msg VARIANT **OSGeometryUI::GetSolidIncidence** (const VARIANT FAR &nSolidNo, VARIANT FAR &nNodeA, VARIANT FAR &nNodeB, VARIANT FAR &nNodeC, VARIANT FAR &nNodeD, VARIANT FAR &nNodeE, VARIANT FAR &nNodeF, VARIANT FAR &nNodeG, VARIANT FAR &nNodeH)

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

Returns the number ID(s) of connecting node(s) for specified solid.

afx\_msg void **OSGeometryUI::ClearSolidSelection** ()

Unselect all the solid item(s).

afx\_msg void **OSGeometryUI::SetSolidUniqueID** (const VARIANT FAR &nSolidNo, const VARIANT FAR &szName)

Assigns an unique string ID (GUID) to specified solid.

afx\_msg VARIANT **OSGeometryUI::GetSolidUniqueID** (const VARIANT FAR &nSolidNo)

Returns the unique string ID (GUID) for specified solid.

afx\_msg VARIANT **OSGeometryUI::GetSolidIncidence\_CIS2** (const VARIANT FAR &nSolidNo, VARIANT FAR &szName, VARIANT FAR &nNodeA, VARIANT FAR &nNodeB, VARIANT FAR &nNodeC, VARIANT FAR &nNodeD, VARIANT FAR &nNodeE, VARIANT FAR &nNodeF, VARIANT FAR &nNodeG, VARIANT FAR &nNodeH)

Returns the number ID(s) of connecting node(s) for specified solid.

## Detailed Description

These functions are related to operations of creating, adding, getting and deleting solid(s).

## Function Documentation

### ◆ AddMultipleSolids()

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

void OSGeometryUI::AddMultipleSolids ( const VARIANT FAR & naIncidences )

private

Add multiple solids in the structure.

### Parameters

[in] **naIncidences** Long array of  $m * 8$  dimension containing solid connectivity: [NodeA<sub>i</sub>, NodeB<sub>i</sub>, ..., NodeH<sub>i</sub>].

### C++ Syntax

```
// Add multiple solids.  
OSGeometryUI::AddMultipleSolids(naIncidences);
```

### VBA Syntax

```
' Add multiple solids.  
OSGeometryUI.AddMultipleSolids(naIncidences)
```

### See also

[OSGeometryUI::CreateSolid](#)

[OSGeometryUI::AddSolid](#)

[OSGeometryUI::DeleteSolid](#)

## ◆ AddSolid()

```
VARIANT OSGeometryUI::AddSolid ( const VARIANT FAR & nNodeA,
                                const VARIANT FAR & nNodeB,
                                const VARIANT FAR & nNodeC,
                                const VARIANT FAR & nNodeD,
                                const VARIANT FAR & nNodeE,
                                const VARIANT FAR & nNodeF,
                                const VARIANT FAR & nNodeG,
                                const VARIANT FAR & nNodeH )
```

private

Adds a solid with specified existing nodes in current model, and returns the solid number ID automatically assigned with.

### Parameters

[in] **nNodeA** Number ID of end node (**node<sub>A</sub>**) for solid connectivity.

[in] **nNodeB** Number ID of end node (**node<sub>B</sub>**) for solid connectivity.

[in] **nNodeC** Number ID of end node (**node<sub>C</sub>**) for solid connectivity.

[in] **nNodeD** Number ID of end node (**node<sub>D</sub>**) for solid connectivity.

[in] **nNodeE** Number ID of end node (**node<sub>E</sub>**) for solid connectivity.

[in] **nNodeF** Number ID of end node (**node<sub>F</sub>**) for solid connectivity.

[in] **nNodeG** Number ID of end node (**node<sub>G</sub>**) for solid connectivity.

[in] **nNodeH** Number ID of end node (**node<sub>H</sub>**) for solid connectivity.

### Return values

**Id** number of the added solid entity

**-1** General error.

**-2001** Cannot find Node(s).

**-5004** Unable to add solid.

### C++ Syntax

```
long nNodeA = 2;
long nNodeB = 4;
long nNodeC = 5;
long nNodeD = 6;
long nNodeE = 9;
long nNodeF = 10;
long nNodeG = 11;
long nNodeH = 12;
// Add a solid connected between nodes 2, 4, 5, 6 and 9, 10, 11, 12.
VARIANT RetVal = OSGeometryUI::AddSolid(nNodeA, nNodeB, nNodeC, nNodeD, nNodeE, nNodeF,
                                         nNodeG, nNodeH);
```

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

## VBA Syntax

```
Dim nNodeA As Long = 2
Dim nNodeB As Long = 4
Dim nNodeC As Long = 5
Dim nNodeD As Long = 6
Dim nNodeE As Long = 9
Dim nNodeF As Long = 10
Dim nNodeG As Long = 11
Dim nNodeH As Long = 12
' Add a solid connected between nodes 2, 4, 5, 6 and 9, 10, 11, 12.
Dim RetVal As VARIANT = OSGeometryUI.AddSolid(nNodeA, nNodeB, nNodeC, nNodeD, nNodeE,
nNodeF, nNodeG, nNodeH)
```

### Remarks

The difference between **OSGeometryUI::CreateSolid** **CreateSolid** and **OSGeometryUI::AddSolid** **AddSolid** is the former has an option to label the node with any user-defined number.

### See also

**OSGeometryUI::CreateSolid**

**OSGeometryUI::DeleteSolid**

**OSGeometryUI::AddMultipleSolids**

## ◆ ClearSolidSelection()

void OSGeometryUI::ClearSolidSelection ( )

private

Unselect all the solid item(s).

### Return values

0 OK.

### C++ Syntax

```
// Clear Solid Selection  
OSGeometryUI::ClearSolidSelection();
```

### VBA Syntax

```
' Clear Solid Selection  
OSGeometryUI.ClearSolidSelection()
```

### See also

[OSGeometryUI::SelectSolid](#)

[OSGeometryUI::SelectMultipleSolids](#)

[OSGeometryUI::GetSelectedSolids](#)

## ◆ CreateSolid()

```
void OSGeometryUI::CreateSolid ( const VARIANT FAR & nSolidNo,
                                const VARIANT FAR & nNodeA,
                                const VARIANT FAR & nNodeB,
                                const VARIANT FAR & nNodeC,
                                const VARIANT FAR & nNodeD,
                                const VARIANT FAR & nNodeE,
                                const VARIANT FAR & nNodeF,
                                const VARIANT FAR & nNodeG,
                                const VARIANT FAR & nNodeH )
```

private

Creates a plate with specified existing nodes in current model.

### Parameters

- [in] **nSolidNo** Solid number ID to be assigned to the newly created plate.
- [in] **nNodeA** Number ID of end node (**node<sub>A</sub>**) for solid connectivity.
- [in] **nNodeB** Number ID of end node (**node<sub>B</sub>**) for solid connectivity.
- [in] **nNodeC** Number ID of end node (**node<sub>C</sub>**) for solid connectivity.
- [in] **nNodeD** Number ID of end node (**node<sub>D</sub>**) for solid connectivity.
- [in] **nNodeE** Number ID of end node (**node<sub>E</sub>**) for solid connectivity.
- [in] **nNodeF** Number ID of end node (**node<sub>F</sub>**) for solid connectivity.
- [in] **nNodeG** Number ID of end node (**node<sub>G</sub>**) for solid connectivity.
- [in] **nNodeH** Number ID of end node (**node<sub>H</sub>**) for solid connectivity.

### C++ Syntax

```
long nNodeA = 2;
long nNodeB = 4;
long nNodeC = 5;
long nNodeD = 6;
long nNodeE = 9;
long nNodeF = 10;
long nNodeG = 11;
long nNodeH = 12;
// Create a solid connected between nodes 2, 4, 5, 6 and 9, 10, 11, 12. Call it Solid #
99.
OSGeometryUI::CreateSolid(99, nNodeA, nNodeB, nNodeC, nNodeD, nNodeE, nNodeF, nNodeG,
nNodeH);
```

### VBA Syntax

```
Dim nNodeA As Long = 2
Dim nNodeB As Long = 4
```

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

```
Dim nNodeE As Long = 9
Dim nNodeF As Long = 10
Dim nNodeG As Long = 11
Dim nNodeH As Long = 12
' Create a solid connected between nodes 2, 4, 5, 6 and 9, 10, 11, 12. Call it Solid #
  99.
OSGeometryUI.CreatePlate (99, nNodeA, nNodeB, nNodeC, nNodeD, nNodeE, nNodeF, nNodeG,
  nNodeH)
```

### Remarks

The difference between **OSGeometryUI::CreateSolid** `CreateSolid` and **OSGeometryUI::AddSolid** `AddSolid` is the former has an option to label the node with any user-defined number.

### Note

If geometry update flag is set, this function will update the solid element incidence using the input node numbers.

### See also

**OSGeometryUI::AddSolid**

**OSGeometryUI::DeleteSolid**

**OSGeometryUI::AddMultipleSolids**

## ◆ DeleteSolid()



void OSGeometryUI::DeleteSolid ( const VARIANT FAR & nSolidNo )

private

Delete a specified solid.

### Parameters

[in] **nSolidNo** Solid number ID.

### C++ Syntax

```
long nSolidNo = 25;
//Delete solid element #25
OSGeometryUI::DeleteSolid(nSolidNo);
```

### VBA Syntax

```
Dim nSolidNo As Long = 25
' Delete Solid #25.
OSGeometryUI.DeleteSolid(nSolidNo)
```

### See also

[OSGeometryUI::CreateSolid](#)

[OSGeometryUI::AddSolid](#)

[OSGeometryUI::AddMultipleSolids](#)

## ◆ GetLastSolidNo()

VARIANT OSGeometryUI::GetLastSolidNo ( )

private

Returns the solid number ID of the last solid in the model.

### Return values

<Val> The number of the highest solid number ID in the model

-1 General error.

### C++ Syntax

```
// Get last solid #.
VARIANT LastSolidNo = OSGeometryUI::GetLastSolidNo();
```

### VBA Syntax

```
' Get last solid #.
Dim LastSolidNo As VARIANT = OSGeometryUI.GetLastSolidNo()
```

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

## ◆ GetNoOfSelectedSolids()

VARIANT OSGeometryUI::GetNoOfSelectedSolids ( )

private

Returns the number of selected solid(s).

### Returns

The number of selected plate(s).

### C++ Syntax

```
// Counts for the total number of solid(s) selected.  
VARIANT NoOfSelectedSolids = OSGeometryUI::GetNoOfSelectedSolids();
```

### VBA Syntax

```
' Counts for the total number of solid(s) selected.  
Dim NoOfSelectedSolids As VARIANT = OSGeometryUI.GetNoOfSelectedSolids()
```

### See also

[OSGeometryUI::SelectSolid](#)

[OSGeometryUI::ClearSolidSelection](#)

[OSGeometryUI::SelectMultipleSolids](#)

[OSGeometryUI::GetSelectedSolids](#)

## ◆ GetSelectedSolids()

```
void OSGeometryUI::GetSelectedSolids ( VARIANT FAR & naSolidNos,
                                       VARIANT FAR & nlsSorted )
```

private

Returns a list of selected solid(s).

### Parameters

[out] **naSolidNos** Returned selected solid number ID(s) VARIANAT array.

[in] **nlsSorted** The order of the selection(s): in sorted order (= 1), in the order of selection (= 0).

### C++ Syntax

```
// Get selected solid list in the order of selection.
OSGeometryUI::GetSelectedSolids(&naSolidNos, 0);
```

### VBA Syntax

```
' Get selected solid list in the order of selection.
OSGeometryUI.GetSelectedSolids(&naSolidNos, 0)
```

### See also

[OSGeometryUI::SelectSolid](#)

[OSGeometryUI::ClearSolidSelection](#)

[OSGeometryUI::SelectMultipleSolids](#)

[OSGeometryUI::GetNoOfSelectedSolids](#)

## ◆ GetSolidCount()

## VARIANT OSGeometryUI::GetSolidCount ( )

private

Returns the total number of solids in the current model.

### Return values

**<Val>** The total number of solid(s).

### C++ Syntax

```
// Count for solids  
VARIANT lSolidCount = OSGeometryUI::GetSolidCount();
```

### VBA Syntax

```
' Count for the plates.  
Dim lSolidCount As VARIANT = OSGeometryUI.GetSolidCount()
```

### See also

[OSGeometryUI::GetSolidList](#)

## ◆ GetSolidIncidence()

```

VARIANT OSGeometryUI::GetSolidIncidence ( const VARIANT FAR & nSolidNo,
                                           VARIANT FAR &      nNodeA,
                                           VARIANT FAR &      nNodeB,
                                           VARIANT FAR &      nNodeC,
                                           VARIANT FAR &      nNodeD,
                                           VARIANT FAR &      nNodeE,
                                           VARIANT FAR &      nNodeF,
                                           VARIANT FAR &      nNodeG,
                                           VARIANT FAR &      nNodeH )

```

private

Returns the number ID(s) of connecting node(s) for specified solid.

### Parameters

- [in] **nSolidNo** Solid number ID.
- [out] **nNodeA** Number ID of end node (**node<sub>A</sub>**).
- [out] **nNodeB** Number ID of end node (**node<sub>B</sub>**).
- [out] **nNodeC** Number ID of end node (**node<sub>C</sub>**).
- [out] **nNodeD** Number ID of end node (**node<sub>D</sub>**).
- [out] **nNodeE** Number ID of end node (**node<sub>E</sub>**).
- [out] **nNodeF** Number ID of end node (**node<sub>F</sub>**).
- [out] **nNodeG** Number ID of end node (**node<sub>G</sub>**).
- [out] **nNodeH** Number ID of end node (**node<sub>H</sub>**).

### C++ Syntax

```

// Get nodes of solid # 5.
VARIANT RetVal = OSGeometryUI::GetSolidIncidence(5, &pnNodeA, &pnNodeB, &pnNodeC,
                                                  &pnNodeD, &pnNodeE, &pnNodeF, &pnNodeG, &pnNodeH);

```

### VBA Syntax

```

' Get nodes of plate # 5.
Dim RetVal As VARIANT = OSGeometryUI.GetSolidIncidence(5, &pnNodeA, &pnNodeB, &pnNodeC,
                                                         &pnNodeD, &pnNodeE, &pnNodeF, &pnNodeG, &pnNodeH)

```

### See also

**OSGeometryUI::GetSelectedSolids**

```
VARIANT OSGeometryUI::GetSolidIncidence_CIS2 ( const VARIANT FAR & nSolidNo,
                                                VARIANT FAR &      szName,
                                                VARIANT FAR &      nNodeA,
                                                VARIANT FAR &      nNodeB,
                                                VARIANT FAR &      nNodeC,
                                                VARIANT FAR &      nNodeD,
                                                VARIANT FAR &      nNodeE,
                                                VARIANT FAR &      nNodeF,
                                                VARIANT FAR &      nNodeG,
                                                VARIANT FAR &      nNodeH )
```

private

Returns the number ID(s) of connecting node(s) for specified solid.

### Parameters

- [in] **nSolidNo** Solid number ID.
- [out] **szName** (LPCTSTR) unique string ID.
- [out] **nNodeA** Number ID of end node (**node<sub>A</sub>**).
- [out] **nNodeB** Number ID of end node (**node<sub>B</sub>**).
- [out] **nNodeC** Number ID of end node (**node<sub>C</sub>**).
- [out] **nNodeD** Number ID of end node (**node<sub>D</sub>**).
- [out] **nNodeE** Number ID of end node (**node<sub>E</sub>**).
- [out] **nNodeF** Number ID of end node (**node<sub>F</sub>**).
- [out] **nNodeG** Number ID of end node (**node<sub>G</sub>**).
- [out] **nNodeH** Number ID of end node (**node<sub>H</sub>**).

### C++ Syntax

```
// Get nodes of solid # 5.
VARIANT RetVal = OSGeometryUI::GetSolidIncidence_CIS2(5, &szName, &pnNodeA, &pnNodeB,
    &pnNodeC, &pnNodeD, &pnNodeE, &pnNodeF, &pnNodeG, &pnNodeH);
```

### VBA Syntax

```
' Get nodes of solid # 5.
Dim RetVal As VARIANT = OSGeometryUI.GetSolidIncidence_CIS2(5, &szName, &pnNodeA,
    &pnNodeB, &pnNodeC, &pnNodeD, &pnNodeE, &pnNodeF, &pnNodeG, &pnNodeH)
```

### See also

[OSGeometryUI::GetSelectedSolids](#)

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

## ◆ GetSolidList()

```
void OSGeometryUI::GetSolidList ( VARIANT FAR & nSolidList )
```

private

Returns a list of all the solid ID(s) the current model.

### Parameters

[out] **nSolidList** VARIANT array of LONG type, for storing returned solid number ID(s).

### C++ Syntax

```
// Get solids list  
OSGeometryUI::GetSolidList(&nSolidList);
```

### VBA Syntax

```
' Get solids list.  
OSGeometryUI.GetSolidList(&nSolidList)
```

### See also

[OSGeometryUI::GetSolidCount](#)

## ◆ GetSolidUniqueID()

## VARIANT OSGeometryUI::GetSolidUniqueID ( const VARIANT FAR & nSolidNo )

private

Returns the unique string ID (GUID) for specified solid.

### Parameters

[in] **nSolidNo** Solid number ID.

### Return values

<**VARIANT**> Unique string ID for specified solid.

The API would return an empty string if specified solid < **nSolidNo** > is *not* found

### C++ Syntax

```
// Get the unique ID of solid #3.
VARIANT szName = OSGeometryUI::GetSolidUniqueID(3);
```

### VBA Syntax

```
' Get the unique ID of solid #3.
Dim szName As VARIANT = OSGeometryUI.GetSolidUniqueID(3)
```

### See also

**OSGeometryUI::GetSolidUniqueID**

## ◆ SelectMultipleSolids()



## VARIANT OSGeometryUI::SelectMultipleSolids ( const VARIANT FAR & naSolidNos )

private

Selects multiple solid(s) in current model.

### Parameters

[in] **naSolidNos** Solid number ID(s) VARIANT array (type - Long/Integer).

### Return values

0 Failed

1 Succeeded

### C++ Syntax

```
// Select multiple solids.
OSGeometryUI::SelectMultipleSolids(naSolidNos);
```

### VBA Syntax

```
Option Explicit
Sub Main
    Dim objOpenStaad As Object
    Dim stdFile As String
    'launch STAAD.Pro application and open "Verification Models\02 Trusses\Roof Truss
    Axial Forces.STD" file from the Samples folder
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    objOpenStaad.GetSTAADFile stdFile, "TRUE"
    If stdFile="" Then
        MsgBox"Bad"
        Set objOpenStaad = Nothing
        Exit Sub
    End If
    Dim Objs(1) As Long
    Objs(0)=5
    Objs(1)=10
    Dim bRes As Boolean
    bRes = objOpenStaad.Geometry.SelectMultipleSolids( Objs)
    If bRes Then
        MsgBox"Success"
    Else
        MsgBox"Failed"
    End If
End Sub
```

### See also

[OSGeometryUI::SelectSolid](#)

[OSGeometryUI::ClearSolidSelection](#)

[OSGeometryUI::GetNoOfSelectedSolids](#)

[OSGeometryUI::GetSelectedSolids](#)

File failed to load: [https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM\\_CHTML/MathJax.js](https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.0/config/TeX-MML-AM_CHTML/MathJax.js)

## ◆ SelectSolid()

VARIANT OSGeometryUI::SelectSolid ( const VARIANT FAR & nSolidNo )

private

Selects the specified solid in current model.

### Parameters

[ in ] **nSolidNo** Solid number ID.

### C++ Syntax

```
//Select solid # 3.  
OSGeometryUI::SelectSolid(3);
```

### VBA Syntax

```
' Select solid # 3.  
OSGeometryUI.SelectSolid(3)
```

### See also

[OSGeometryUI::SelectMultipleSolids](#)

[OSGeometryUI::ClearSolidSelection](#)

[OSGeometryUI::GetNoOfSelectedSolids](#)

[OSGeometryUI::GetSelectedSolids](#)

## ◆ SetSolidUniqueID()

```
void OSGeometryUI::SetSolidUniqueID ( const VARIANT FAR & nSolidNo,  
                                       const VARIANT FAR & szName )
```

private

Assigns an unique string ID (GUID) to specified solid.

### Parameters

[in] **nSolidNo** Solid number ID.

[in] **szName** (LPCTSTR) unique string ID.

### C++ Syntax

```
// Set "SOLIDSP" to solid #3.  
OSGeometryUI::SetSolidUniqueID(3, (LPCTSTR)"SOLIDSP");
```

### VBA Syntax

```
' Set "SOLIDSP" to solid #3.  
OSGeometryUI.SetSolidUniqueID(3, "SOLIDSP")
```

### See also

**OSGeometryUI::GetSolidUniqueID**

© Copyright Bentley Systems, Inc. For more information, see <http://www.bentley.com>.