```
std::basic_string<
              char >
           std::string
                 +surfaceType
McCAD::Geometry::Surface
              ::Impl
+ face
+ extendedFace
+ surfaceNumber
+ splitSurface
+ numberCollidingSurfaces
+ numberCollidingCurvedSurfaces
+ throughConcaveEdges
+ Impl()
+ initiate()
+ Impl()
+ initiate()
                 +ptr
   std::unique ptr< McCAD
   ::Geometry::Surface::Impl >
                 -pSImpl
  McCAD::Geometry::Surface
  + Surface()
  + ~Surface()
  + accessSImpl()
  + setSurfaceType()
  + getSurfaceType()
  + Surface()
  + ~Surface()
  + accessSImpl()
  + setSurfaceType()
   + getSurfaceType()
```