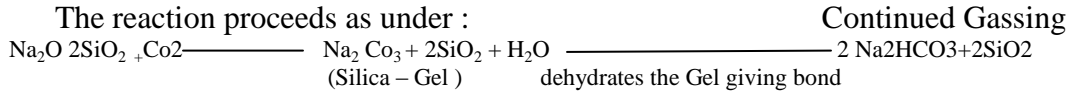


Sandsil -123
(Silicate Base Binders With Inbuilt Breakdown Agent)

The Product SANDSIL is a Sodium-base binder with adjusted ratio of Na₂O : SiO₂ for making moulds and cores by Co₂ process.

The Process SANDSIL-Co₂ process is based on principle of precipitation Silicate Solution by Co₂
The reaction proceeds as under :



When the SANDSIL is mixed with Sand, the sand grains are covered with a thin film of SANDSIL, on blowing Co₂ gas, the individual Sand grains are cemented to each other at their contact points by Silica –Gel to give a firm bond.

Mixing Cycle Dry Silica Sand (AFS55#65) : 100 Parts
SANDSIL : 4 to 5 Parts.
Breakdown Agent : 1.5 to 2 Parts.
(if required)

Mixing Time 3 to 4 Minutes.
Mixed Sand should be covered with wet cloth for increasing the bench life.

Strength Development (Shear Strength)
Immediate after gassing : 40 – 60 PSI.
1 Hours : 80 – 100 PSI.
4 Hours : 120 – 140 PSI.
24 Hours : 160 – 180 PSI
Breakdown
980°C For 5 Minutes. : 20-30 PSI.

PROPERTIES	SANDSIL-123
Breakdown properties	Excellent
Specific Gravity @27°± 3° C	1.50 – 1.60
Baume@27°± 3° C	49 – 52
Application	Heavy C.I. Steel Casting

Standard Packing 200 / 250 Kg. Steel Barrel / 60 Kg. P.C.

Self Life 6 Months from the date of manufacturing.

NOTE : Above information is true and accurate based on controlled Laboratory testing. However users are responsible for determining suitability for application at their end. No guarantee is implied since the condition in actual use differ widely & beyond our control.