

# Clinker Technical Datasheet



<b>Manufacturer</b>	Tangshan Senlan Trading Co., Ltd.	<b>Document</b>	Clinker Technical Data Sheet
<b>Product</b>	General Portland Cement Clinker	<b>Strength Grade</b>	52.5
<b>Sample</b>	Cement Clinker	<b>Standard</b>	GB/T 21372-2025

## Key Highlights

<b>C<sub>3</sub>S + C<sub>2</sub>S</b>	73.56%	<b>CaO/SiO<sub>2</sub></b>	3.00
<b>3-Day Strength</b>	31.2 MPa	<b>7-Day Strength</b>	51.2 MPa
<b>28-Day Strength</b>	58.8 MPa	<b>f-CaO</b>	0.93%

*Note: Values are extracted from the original clinker inspection report and presented in English for customer reference.*

## Technical Properties

### Physical Properties

Test Item	Value
Appearance	Clinker Nodules
Standard Water Usage (%)	23.9
Initial Setting Time (min)	95
Final Setting Time (min)	151
Soundness (Boiling Method)	Qualified

### Chemical Composition

Component	Value
Insoluble Matter (%)	0.29
Loss on Ignition, LOI (%)	0.28
SO <sub>3</sub> (%)	0.49
MgO (%)	1.39
Cl <sup>-</sup> (%)	0.008
f-CaO (%)	0.93
R <sub>2</sub> O (%)	0.43
C <sub>3</sub> S + C <sub>2</sub> S (%)	73.56
CaO/SiO <sub>2</sub>	3.00

## Clinker Quality Indicators

Test Item	Value
C <sub>3</sub> S + C <sub>2</sub> S (%)	73.56
CaO/SiO <sub>2</sub> Ratio	3.00
3-Day Compressive Strength (MPa)	31.2
7-Day Compressive Strength (MPa)	51.2
28-Day Compressive Strength (MPa)	58.8
Internal Exposure Index	0.2
External Exposure Index	0.2
Test Conclusion	Meet GB/T 21372-2025

## Reported Standard Requirements vs. Test Results

Test Item	Unit	Requirement	Result
Insoluble Matter	%	≤ 0.5	0.29
Loss on Ignition (LOI)	%	≤ 1.0	0.28
SO <sub>3</sub>	%	≤ 1.5	0.49
MgO	%	≤ 5.0	1.39
Cl <sup>-</sup>	%	≤ 0.06	0.008
f-CaO	%	≤ 1.5	0.93
R <sub>2</sub> O	%	≤ 1.0	0.43
C <sub>3</sub> S + C <sub>2</sub> S	%	≥ 66	73.56
CaO/SiO <sub>2</sub>	/	≥ 2.0	3.00
Standard Water Usage	%	–	23.9
Initial Setting Time	min	≥ 45	95
Final Setting Time	min	≤ 390	151
Soundness, Boiling Method	/	–	Qualified
Internal Exposure Index	/	≤ 1.0	0.2
External Exposure Index	/	≤ 1.0	0.2
3-Day Strength	MPa	≥ 27.0	31.2
7-Day Strength	MPa	≥ 45.0	51.2
28-Day Strength	MPa	≥ 52.5	58.8

## Quality Control & Authorization

Quality Status	Issued By
All reported items meet GB/T 21372-2025 requirements	Tangshan Senlan Trading Co., Ltd.

**Disclaimer:** This datasheet is provided for reference only. The above values are based on the submitted inspection report of a specific sample/batch of cement clinker and may vary depending on production and

shipment conditions. Final specifications, inspection method, and commercial terms shall be subject to the signed contract.