

Watani MC30 – Advanced Gypsum for High-Durability Ceramic Molds

Watani MC30, developed by *Al Watania Gypsum Company*, is an **enhanced high-strength gypsum formulation** designed specifically for **sanitary-ware mold production**. It delivers **exceptional performance and durability** for heavy-duty, high-cycle operations.

Key Performance Advantages

Property	Watani MC30
Typical Cooling Cycles per Mold	120 – 130 cycles
Mechanical Strength	High – optimized for precision molds
Dimensional Stability	Excellent for consistent mold reproduction
Setting Control	Balanced for manual and machine casting
Surface Finish	Smooth, dense, and scratch-resistant
Workability	Easy to mix and apply
Durability	High resistance to erosion and cracking

Why It Performs Better

- **Enhanced crystal structure** provides superior compressive and flexural strength, allowing molds to endure more **casting and cooling cycles** without loss of accuracy.
 - **Dimensional stability** ensures consistent mold reproduction over repeated use — ideal for **automated sanitary-ware production lines**.
 - **Optimized setting time** supports both manual and mechanized mold fabrication.
 - **Smooth surface hardness** minimizes defects and improves ceramic finish quality.
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Typical Applications

- High-volume **sanitary-ware factories** (toilets, basins, and cisterns).
- **Precision casting operations** requiring longer mold life.

- Facilities seeking reduced downtime and mold replacement cost.

Summary

Watani MC30 offers up to **40 % longer mold life** than the other Gypsum product, achieving more than **120 cooling cycles** with excellent stability, surface finish, and ease of use — making it the **preferred choice for premium sanitary-ware manufacturing**.