

PP-201

SHRINKAGE CONTROL PERFORMANCE PACKAGE

APPLICATION GUIDE / 应用指南

Document No.	NMG-PP201-AG	Revision	Rev. 1.0
Product	PP-201	Developed by	Nova Materials Group LLC, USA

1. PRODUCT APPLICATION

1. 产品应用

PP-201 is intended for use as a performance component within technically qualified cement-based engineered stone manufacturing systems. It provides coordinated dispersion control and shrinkage management and should be evaluated as part of the complete material system.

PP-201 用于经技术确认的无人造石制造体系，作为完整材料工程体系中的性能组分发挥协调的分散控制与收缩管理作用，并应在完整材料体系中进行评价。

2. GENERAL USE PRINCIPLES

2. 基本使用原则

- Use PP-201 according to the production formulation specified or approved by Nova.
- Determine dosage according to the approved material system, cementitious content, processing condition, and required performance.
- Do not adjust dosage solely in response to isolated flow behavior.
- Maintain accurate batching and consistent production conditions.
- When raw materials, equipment, or product specifications change, verify performance through controlled production trials.
- 按照 Nova 确定或认可的生产配方使用 PP-201。
- 根据经批准的材料体系、胶凝材料用量、加工状态及目标性能确定用量。
- 不应仅依据单项流动性变化简单调整用量。
- 保持准确计量及稳定的生产条件。
- 当原材料、设备或产品规格发生变化时，应通过受控生产试验验证性能。

PP-201

APPLICATION GUIDE / 应用指南

3. PROCESS INTEGRATION

3. 工艺配合

PP-201 is designed to operate within the complete materials-engineering system rather than as a stand-alone admixture. Its engineering value is derived from coordinated interaction with the engineered mineral framework, reinforcement component, rheology-control component, cementitious matrix, and manufacturing process.

PP-201 应作为完整材料工程体系的一部分使用，而非作为独立外加剂评价。其工程价值来自与工程矿物结构、增强性能组分、流变控制性能组分、胶凝基体及制造过程之间的协调作用。

For consistent production:

- Follow the approved material formulation and production sequence.
- Maintain consistent raw-material quality, moisture conditions, batching, and mixing conditions.
- Evaluate PP-201 performance together with processing stability, shrinkage behavior, dimensional stability, and finished-product performance.
- Avoid unverified changes to dosage, charging sequence, or process conditions.
- Use the applicable approved manufacturing specification for MINERALSKIN™ and authorized OEM production.

为保持生产稳定性：

- 按照经批准的材料配方及生产顺序操作。
- 保持原材料质量、含水状态、计量及搅拌条件的一致性。
- 结合加工稳定性、收缩行为、尺寸稳定性及成品性能综合评价 PP-201 的使用效果。
- 未经验证，不应随意改变用量、加入顺序或工艺条件。
- MINERALSKIN™ 及授权 OEM 生产应按照相应批准生产技术规范执行。

4. STORAGE & HANDLING

4. 储存与操作

- Store in a cool, dry place.
- Keep the container sealed when not in use.
- Protect from contamination and extreme storage conditions.
- Follow the current approved TDS, SDS, and workplace safety requirements for detailed handling instructions.
- 存放于阴凉干燥处。
- 不使用时保持容器密封。
- 避免污染及极端储存环境。
- 详细操作要求应遵循当前批准版本的 TDS、SDS 及工作场所安全要求。

5. TECHNICAL SUPPORT

5. 技术支持

For formulation development, process adjustment, scale-up, or troubleshooting, technical consultation with Nova Materials Group LLC is recommended. Product application should be verified under actual production conditions before commercial-scale manufacturing.

对于配方开发、工艺调整、规模化生产或生产问题分析，建议与 Nova Materials Group LLC 进行技术沟通。在正式商业化批量生产前，应结合实际生产条件对产品应用进行验证。