n-PUTTY

Technical information

www.n-coat.com

BUILDchem
Building Chemicals & Services

n-PUTTY Technical data sheet

Ultra rapid setting crack putty

1. DESCRIPTION

n-PUTTY is an ultra rapid setting floor crack reparing mortar. As an inorganic material, it is most suitable with concrete substrate and has superior adhesion strength. As an ultra rapid setting product, it allows next steps to be performed without delay, thus minimizing the project downtime. Also, its color is formulated to be similar to concrete to reduce discoloration with the existing concrete substrate.

2. USAGE

- Crack repair
- Damaged areas such as pits, holes, etc.
- Preparation before coating or waterproofing

3. ENVIRONMENTAL ASPECT

n-Putty minimizes the usage of OPC(Ordinary Portland Cement) and instead uses eco-friendly Calcium Aluminate Cement(CAC) to reduce CO_2 emission.

4. APPLICATION

n-PUTTY is most suitable for crack reparing of an urgent projects. It has excellent flow to penetrate quickly into the crack, and possesses superior adhesion on inorganic substrates such as self-leveling mortar or concrete since it is made of the same inorganic material.

5. SURFACE PREPARATION

1. Remove dust and laitance from the damaged area. If the temperature of the substrate is higher than 30°C, spray water before application to cool down the substrate.
2. If primer is required, dilute n-PRIMER in ratio of 1(water) : 2~3(primer) and apply the primer first.
3. Mix 27~29%(weight) of water with n-PUTTY and finish the job within 15 minutes.

6. APPLICATION CONDITION

n-PUTTY must be applied between the temperature above 5℃ and below 30℃. n-PUTTY should not be applied when the moisture content of the substrate is above 8%.

7. MIXING

- batch : In case of batch mixing, pour the right amount of water first into the container and slowly pour the n-PUTTY powder while operating electric mixer. In case of hand mixing, it is recommended to mix more than 2 minutes at above 600RPM to make sure all additives are properly mixed.
- Water ratior : 28±1 wt%
- Apply using trowel or scrapper. In case of big damged area, use a mold to make sure the material doesn't overflow.

8. APPLICATION IN LOW TEMPERATURE

When the temperature is below 20℃, n-PUTTY has a tendency to have slower setting and lower strength. This is more evident when the temperature gets lower and the application thickness is thinner.

9. APPLICATION IN HIGH TEMPERATURE

When the temperature is above 20℃, n-PUTTY has a tendency to have faster setting time and higher strength. This is more evident when the temperature is even higher.

10. STORAGE

Keep the material in a cool, dry area away from direct sunlight. The recommended shelf-life of the material is 3 months.

PHYSICAL DATA	
Pot-life (min)	15
Flow (mm)	218
Compressive Strength (KS F 4041)	
3 hours	29 MPa
1 day	49 MPa
7 days	60 MPa
28 days	70 MPa

Head Office/Plant : 116-36. Boheung 1gil, Woosung-myeon, Kongju-city, Chungcheongnam-do, Republic of Korea (ZIP:32533)
TEL : +82-41-858-1160 / **FAX** : +82-41-858-1164 / **E-mail** : buildchem@buildchem.co.kr

BUILDchem
Building Chemicals & Services