

TERRA 2C ROCK

GEOTECHNICAL INJECTION RESIN

Two component, solvent-free, urea-silicate, non-foaming, rigid gel ideally suitable for the consolidation of unstable strata.



USES

ADCOS® TERRA 2C ROCK is an extremely reactive injection system that can be used for the void filling, but not limited to:

- Stabilization of Coal, Fractured Rock, Sands, Shale, Gravels & Unstable Strata
- Consolidation of Coal, Fractured Rock, Sands, Shale, Gravels & Unstable Strata
- Underwater conditions

Please contact your local ADCOS representative for any applications not mentioned above.

ADVANTAGES

- Two component rigid gel
- Fast Expansion
- Flame Retardant
- Non-shrinking properties after curing
- Great adhesion to wet substrates
- Flame Retardant

TECHNICAL DATA

TERRA 2C ROCK RESIN - COMPONENT A

Physical Property	Method	Result
Color	N/A	Clear
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	120-350 cP
Density	ASTM D 1638	1.4 g/cm ³
Flash Point	ASTM D 93	>392°F
Corrosiveness	N/A	Non-Corrosive

TERRA 2C ROCK RESIN - COMPONENT B

Physical Property	Method	Result
Color	N/A	Dark Brown
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	50-300 cP
Density	ASTM D 1638	1.4 g/cm ³
Flash Point	ASTM D 93	>392°F
Corrosiveness	N/A	Non-Corrosive

TERRA 2C ROCK RESIN - 1:1 BY VOLUME

Reaction Time	N/A	10-30 s.
Tack Free Time	N/A	3-4 min
Expansion Factor	N/A	x1
Compressive Strength	PN-C-89 071: 1993	42 MPa (6091.58 psi)
Flexural Strength	EN ISO 178: 2006	16 MPa (2320.6 psi)

INSTRUCTIONS

Shake or mix each component separately. Perform reaction test to ensure proper expansion and reaction time. With suitable reaction test, inject material using a 1:1 two-component pump equipped with pressure gauges and regulators on both component lines to assure a 1:1 mixing ratio per manufacturer's instructions. Mixing head should have a minimum of 36 mixing elements. Once complete, clean equipment and flush lines with PURINJECT® RINSE.

PACKAGING**TERRA 2C ROCK RESIN - COMPONENT A**

5 Gallon Plastic Pail
50 Gallon Steel Drum

TERRA 2C ROCK RESIN - COMPONENT B

5 Gallon Plastic Pail
50 Gallon Steel Drum

STORAGE & SHELF LIFE

Store between 40°F and 90°F. Low temperatures will affect viscosity. If field conditions are below 40°F, electric heating bands or warm water baths can be utilized before installation. (DO NOT get water into any open containers). Do not exceed 90°F when artificially heating.

Shelf life: 24 months after production date in the original, unopened, and undamaged packaging. Shelf life cannot be guaranteed if the above recommendations are not followed.

SAFETY & HEALTH PRECAUTIONS

Always use protective clothing, gloves and goggles that meet the requirements with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to SDS.

DISCLAIMER

All information is provided in good faith. Please note that the application, use, and processing of these products are beyond our control. Therefore, ADCOS cannot be held responsible for the results obtained or any associated damage. Depending on the evolution of knowledge and techniques, ADCOS reserves the right to change the composition and conditions of use of its products without prior notice. This technical data sheet supersedes all previous versions.