



ROCKSHIELD FOR PIPELINE COATING PROTECTION TUFF-N-NUFF[®]

- Most Widely Used And Specified Rockshield For Oil & Gas Pipelines In The US And Canada
- Unmatched Impact Resistance Properties Compared To Other Field Installed Rockshields
- Reduces Construction Costs Versus Select Fill Or Padding Machines And Allows For Faster Project Completion
- Does Not Interfere With Cathodic Protection Of Pipelines
- Trusted By Pipeline Owners For Nearly 30 Years

BUILDING TRUST



TUFF-N-NUFF®

ROCKSHIELD PIPELINE COATING PROTECTION

Tuff-N-Nuff® is a field installed rockshield which protects pipeline coatings from damage from rocky or harsh backfill during construction. In addition, Tuff-N-Nuff® also provides long term corrosion protection by keeping hard objects in the backfill away from the pipeline coating once the pipeline is placed into service.

INSTALLATION

Custom sized rolls and pads are easily “cigarette wrapped” around pipelines by placing Tuff-N-Nuff® on top of the pipe and rolling it out completely. It is generally recommended to overlap the edges of Tuff-N-Nuff® at the 6 o’clock position of the pipe to ensure “double layer” protection at the critical weight bearing point. An end to end overlap of 1 to 2 inches is also recommended. Affix the rockshield using tape or appropriate non-metallic strapping. The pipeline may be backfilled immediately following the completion of the installation process.



- Tuff-N-Nuff® is the most widely used and specified rockshield in the United States and Canada
- Custom size rockshield is available for every pipeline diameter size; zero field-trimming of rockshield is required, further reducing rockshield waste and reducing job site labor costs
- Formulated for flexibility in cold weather environments to aid in installation
- Tuff-N-Nuff® was developed and has always been manufactured specifically for use as a rockshield since 1988
- Tuff-N-Nuff® has a porous, random strand matrix design which has been proven with laboratory testing to prevent shielding of cathodic protection supplied to the pipeline
- Eliminates the need for select fill, as the on-site native soil can be used to backfill the pipeline
- Unmatched impact resistance properties compared to other field installed rockshields
- Tuff-N-Nuff® can eliminate the costly expense of padding the pipeline during backfilling with padding buckets or other expensive equipment to filter the backfill material

Tuff-N-Nuff Rolls						
Pipe Diameter	Pipe Circum.	Roll Width	Roll Length			Square ft per Roll
			30ft	40ft	50ft	
2"	7.45"	12"	12" x 60ft RIP Shield			
4"	13.9"	18"	45	60	75	
6"	19.6"	24"	60	80	100	
8"	27"	32"	80	106.7	133.3	
10"	33.75"	36"	90	120	150	
12"	40"	44"	110	146.7	183.3	
14"	43.9"	48"	120	160	200	
16"	50.2"	54"	135	180	225	
18"	56.5"	60"	150	200	250	
20"	62.8"	67"	167.5	223.3	279	
22"	69"	72"	180	240	300	

Tuff-N-Nuff Pads				
Pipe Diameter	Pipe Circum.	Roll Width	Pad Width x 6 ft	
				Square ft per Pad
24"	75.3"	80"	40	
26"	81.6"	86"	43	
28"	87.9"	92"	46	
30"	94"	98"	49	
32"	100.5"	104"	52	
34"	106.75"	111"	55.5	
36"	113"	117"	58.5	
42"	131.8"	136"	68	
48"	150.7"	155"	77.5	

For up to date and accurate information please consult the current Product Data Sheet at usa.sika.com

FOR MORE TUFF-N-NUFF® ROCKSHIELD INFORMATION:

Contact Sika Team 1-800-325-3605 ■ Website www.tuff-n-nuff.com

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