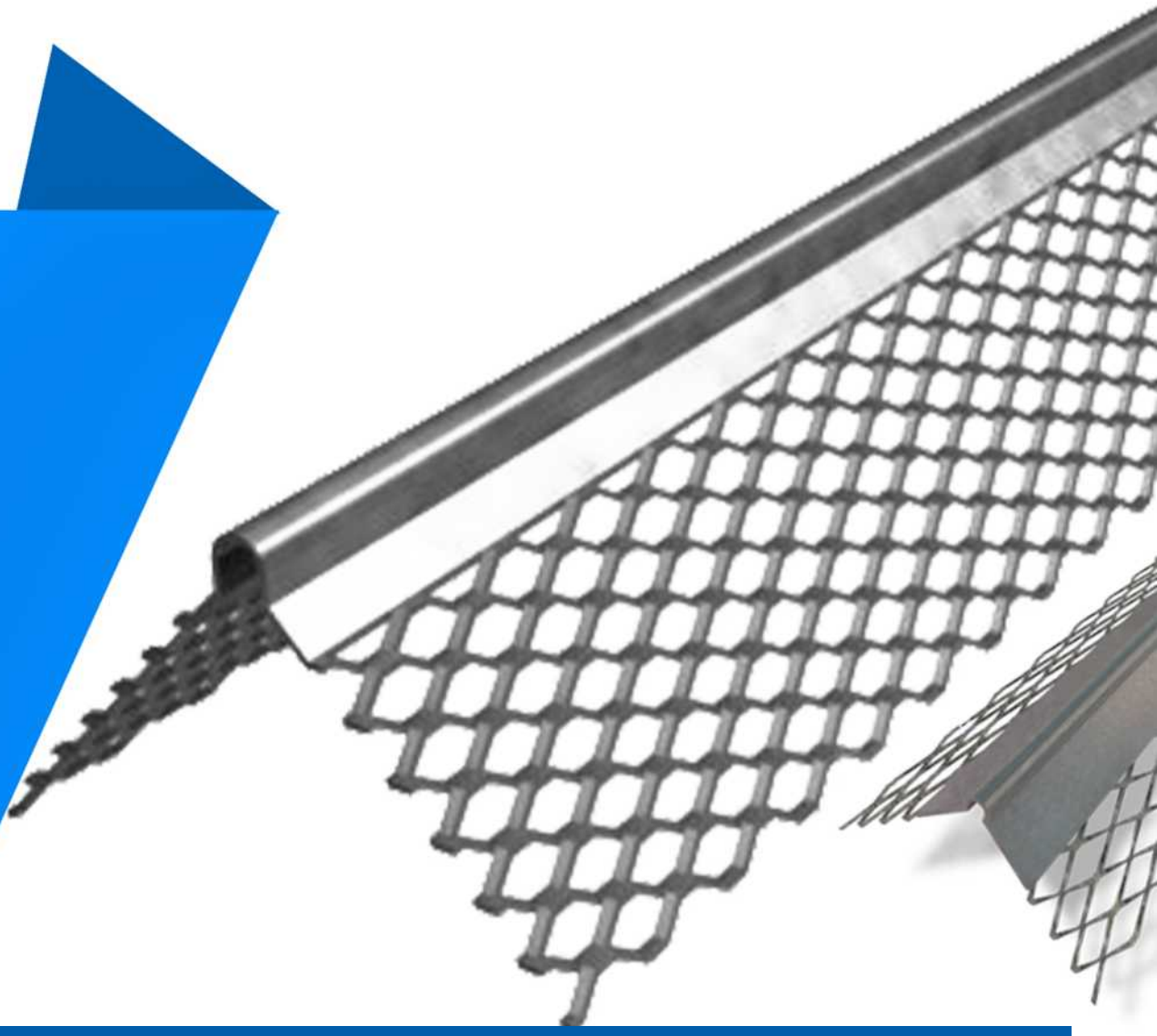
شركة نبراس المعدن للصناعة
NIPRAS METAL INDUSTRY Co.

NIPRAS METAL GROUP



PLASTERING

ACCESSORIES

رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

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In case of any questions or remarks, feel free to contact the R&D Department vi
www.nipras.sa

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ABOUT US

Nipras Metal Group is a diversified private enterprise and a Saudi organization established in 2010 with a vision to be a preferred partner for our valuable clients in supplying quality and cost effective building construction and Architectural engineering solutions. Since the establishment of Nipras, we have been partnered with major organizations in the kingdom to consistently serve their projects and, we have engaged closely with many key contractors and consultants by meeting their expectations in providing high-quality and certified construction and Architectural products. **Nipras group** operates its business units from three divisions in manufacturing, supplying and sub-contracting of various Architectural products such as Roof Hatch Access, Gratings,Railings, Raised Floors, Garbage Chute System, Cable tray management solutions, and all types of stainless steel & metal fabrication and other building construction materials. The company has two production lines of Architectural products and cable management systems.

At **Nipras** we always strive hard to supply and meet our client's requirements with high-quality products quickly and efficiently. The company adopts modern management concept, adheres to survival by quality and development by integrity, and gradually boarded the local competition platform. We rely on service to enhance the client relationship, sincerely create value for customers, and provide customers with high-quality and reliable products and wholehearted service. Our company has advanced production equipment which guarantees the most advantageous product quality and efficiency.

Nipras is accredited through various quality certifications and standards meeting all project's technical criteria and consultant approvals. We are an ISO-1519 certified company to ensure the quality, safety, and efficiency of our products. We gain trust of our existing clients and new customers with the best products, the best quality,competitive price and the most perfect service.

VISION

Nipras strives to strengthen its manufacturing base in the steel industry to serve the kingdom and contribute to its vision through effective utilization of staff and materials with cutting-edge technology and high productivity,consistent with modern management practices.

MISSION

To be a preferred partner for our valuable customers and consistently exceeds our customer's needs and expectations in quality,delivery, and cost through continuous improvement and enhancing **customer satisfaction.** We go all out to manufacture, deliver and supply superior steel and metal products to our clients utilizing sustainable procedures that meet the international standards.

OBJECTIVES

01 The aim of **NIPRAS** is to fabricate steel and metal work in the construction sector by the development of standards to turn raw metal into Architectural engineering solutions that can be used in construction.

02 To assist clients, kingdom wide, by providing Architectural engineering solutions and expertise.

03 To expand our business by offering the best in quality, cost and solutions.

04 To seek a competitive advantage by developing partnerships with clients, suppliers and subcontractors.

05 To provide our employees with the opportunity to develop their full potential within a safe and productive environment.

LOCATION

Riyadh Gate Industrial City
Al-Musafa district
6353

https://www.google.com/maps?q=24.4828100,46.8915030&hl=en-SA&gl=sa&entry=gps&g_ep=CAISBjYuMzQuMxgAINeCAw%3D%3D&g_st=iw

Nipras Metal Group.
Email: info@nipras.sa
Sales: 056 880 5050

RESEARCH & DEVELOPMENT

R & D refers to two intertwined processes of research (to identify new knowledge and ideas) and development (turning the ideas into tangible products or processes)

Our **Research and development (R&D)** department includes activities that we undertake to innovate and introduce new products and services.

Nipras R&D's mission is to:

- ✓ Develop products that create value for customers and expand the use of NIPRAS products worldwide..
- ✓ Improve NIPRAS competitiveness by developing new industrial processes – and optimising existing ones – to reduce cost and improve quality..
- ✓ Contribute to sustainable development by reducing the environmental impact of products and processes.
- ✓ Continuously upgrade NIPRAS scientific knowledge and attract technical talent.

TECHNICAL TEAM

Technical Division is entrusted with the work in respect of various subjects of technical nature via Research & Development, Energy & Environment Management, Standardization & Quality Control of products, etc. The work being dealt with by this division may be grouped under few categories namely:

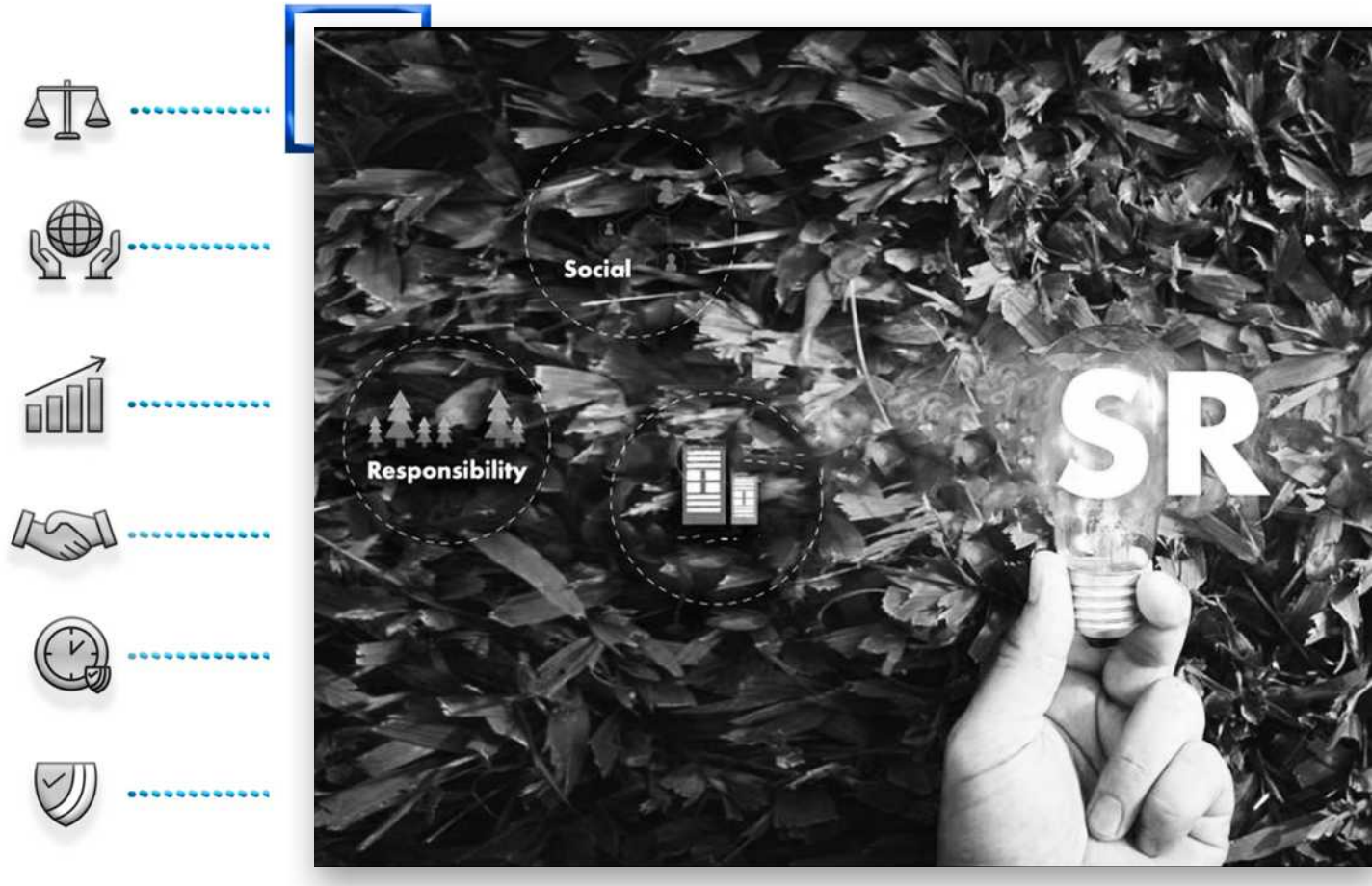
- Research & Development in Metal & Steel Fabrication.
- Technical Regulations on the Products to promote quality.
- Technical Inputs on the ongoing / future products etc.

Lead with Engineers and other professionals at **NIPRAS TECHNICAL DEPARTMENT**, we access a vast array of advanced, highly sophisticated testing, modelling, failure analysis and other resources to develop the next generation of products, where the future is born.

SOCIAL RESPONSIBILITY

We **"NIPRAS"** ability to sense, understand and react to others emotions while comprehending on social networks. (Social awareness which encompasses the competency of empathy is the ability to read nonverbal cues for negative emotions, particularly anger and fear and to judge the trustworthiness of others.

It is about understanding others feelings, not experiencing them (Garner, 2009). NIPRAS accentuates on an individual's ability to identify, perceive and react to other's emotions while being a part of the social network circuitry. NIPRAS understand the ability to and be compassionate to the feelings,views, opinions and challenges of other people. Social-awareness cannot only be equated with understanding people's need but as well as caring for them (Goleman, 2006).



SOCIAL RESPONSIBILITY

EMPLOYEES

At **NIPRAS** we empower our employees to leverage the corporate resources at their disposal to do well. Being a socially responsible company can bolster a company's image and build its brand.

CIVIL SOCIETY

According to the Saudi Youth in Numbers report, **37%** of the Saudi population is under 25. This entails that the youth will play a more significant role in undertaking the paths set by Vision 2030 and inheriting the future it's attempting to build. **NIPRAS** gives our platform to the young for developing their sense of civic responsibility, involvement, and interconnectedness.Opportunities to equip the upcoming generation with the necessary skills and motivation to become active participants in their communities.

CUSTOMERS

A business cannot work without consumer. The survival and growth of business depends on consumer satisfaction, service and support. **"NIPRAS"** winning the confidence of our customers made it possible by following a positive attitude towards customers and fulfilling our social responsibilities by providing them:

- Quality
- Fair Prices
- Honest advertising
- After sales service
- Research & Development for their requirements
- Safety
- Regular supply

ENVIRONMENT

NIPRAS understands the nature of the relationship between corporate adoption of the concept of societal responsibility [availability of environmental awareness, clear vision of the impact of societal responsibility on financial performance, managers informing employees of the latest developments in societal responsibility programs, managers' response to their corporate social responsibility (CSR) proposals] in the form of an annual report that supports the success of the company's objectives, the company's management encourages employees to participate collectively in societal responsibility programs and to protect the environment from pollution in the industry.

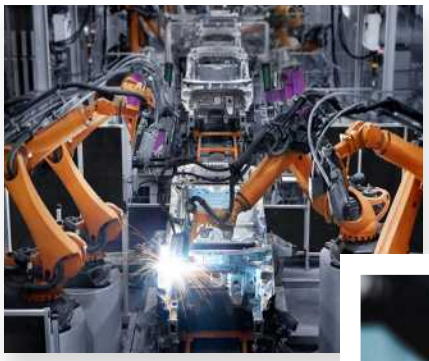
HEALTH & SAFETY

”NIPRAS” as a manufacturing Company for Metal & Steel Products has a large number of hazards because of the strong internal as well as external forward and backward linkages in terms of material flows. Employees are to work in hazardous environment because of complicated equipment layouts, high temperatures, heavy equipment’s, moving machinery, hazardous processes, heavy lifting and movements of materials in the work environment etc. Further, several operations involve working at heights or in confined spaces. In short, working involves both very high volume as well as the complexity of operations which results into employees getting exposed to a high level of health and safety risks.

The health, safety, and protection of our employees, equipment, and the environment are perfectly calculated and implied as a crucial since it affects both economic and social factors.. On the other hand, a healthy and safe workplace contributes towards plants competitiveness as well as in profit growth.

ADVANCED MACHINERY

Standardized production lines meeting the complete requirements for the industry.Facility equipped with high end and advanced machinery **"NIPRAS"** serve our customers with topmost perfection.Our facility comprises with most high end echnology where mentioned few are our key role players as - ***Laser Cutting / Sheering Machines,CNC Bending Machines,CNC Punching Machines,Auto Welding Sets*** and more.



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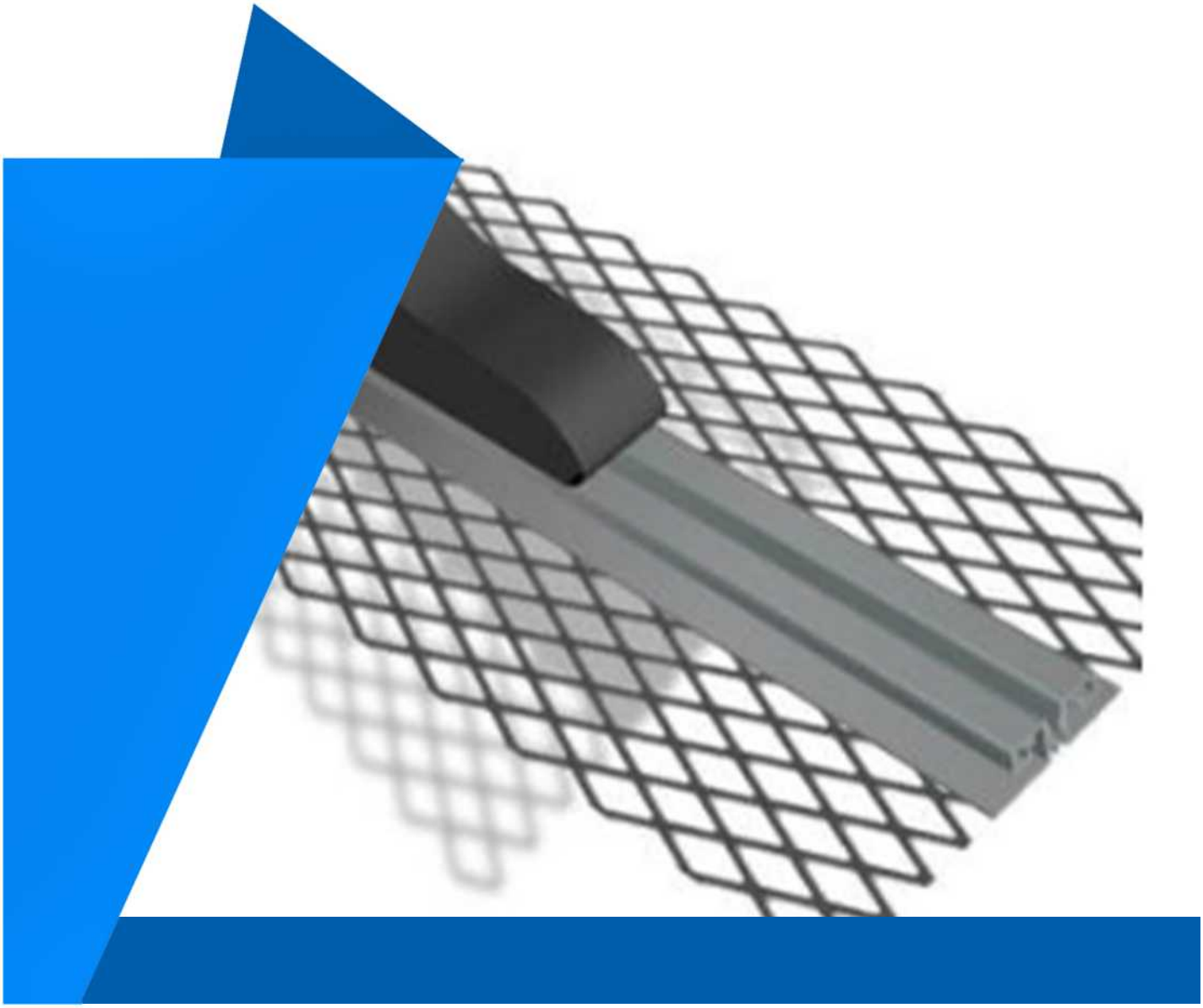

PLASTERING

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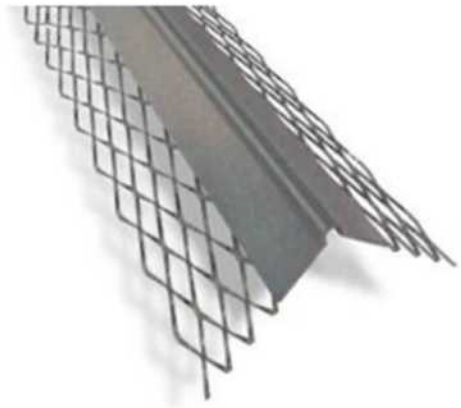
KINGDOM OF SAUDI ARABIA

METAL BEADS

NIPRAS PLASTERING METAL BEADS



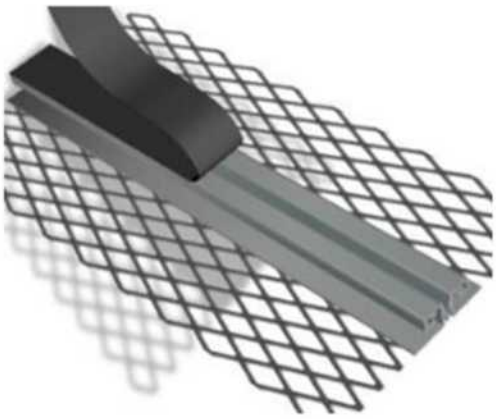
Corner Bead

Plaster Stop Bead

Architrave Bead with Flange

Architrave Bead without Flange

Control Joint Bead



Movement Joint Bead

TECHNICAL SPECIFICATIONS - METAL BEADS

RELEVANT STANDARDS

- BS EN 13914- 2: 2005 Design, Preparation and Application of External Rendering and Internal Plastering
- BS EN 13658-1: 2005 Metal Lath and Beads Definitions, Requirements and Test Methods, Internal Plastering.
- Supersedes BS 1369-1 :1987 and BS 6452-1: 1984
- BS EN 13658 – 2: 2005 Metal Lath and Beads – Definitions, Requirements and Test Methods, External Plastering.
- Supersedes BS 1369-2:1987 and BS 6452-2: 1984
- ASTM C841 – Standard Specification for Installation of Interior Lathing and Furring
- ASTM C847 - Standard Specification for Metal Lath
- ASTM C1063 – Standard Specification for Installation of Lathing and Furring for Portland Cement - Based Plaster.
- International Building Code, (IBC) Chapter 25
- International Residential Code, (IRC) Chapter 7

GALVANIZED STEEL

- BS EN 10346:2009 (formerly BS EN 10142: 1991) coating type: ZIB0-275 ASTM A653/ A653M

RELEVANT STANDARDS

- BS EN 13658-1 & 2:2005 (formerly BS 1369: Part I :1987)

STAINLESS STEEL

- BS EN 10088-2:2005, which was directly equivalent to formerly BS 1449: Part 2:1983 in Grade 304 2B FINISH
- ASTM A240/A240M in Grade 304 28 FINISH

RELEVANT STANDARDS

- BS EN 845-3 :2003 ASTM A 951/A 951M

COLD DRAWN STEEL FOR CONCRETE/MASONRY REINFORCEMENT

- BS 4482:2005
- ASTM A 496/ A 496M, ASTM A 497 ASTM A 82/ A 82M, ASTM A 185

PRE-GALVANIZED STEEL WIRE

- BS EN 10244-2:2001 formerly BS 443 ASTM A64I/A 641M

INSTALLATION OF NIPRAS BEADS

PLASTER BEADS

NIPRAS comprehensive range of Plaster Beads are precision engineered and simple to use. Fixing by nail or plaster dab is straight-forward and fast, generating arises, edges, corners and joints that are easy to form and resistant to chipping, cracking and impact damage.

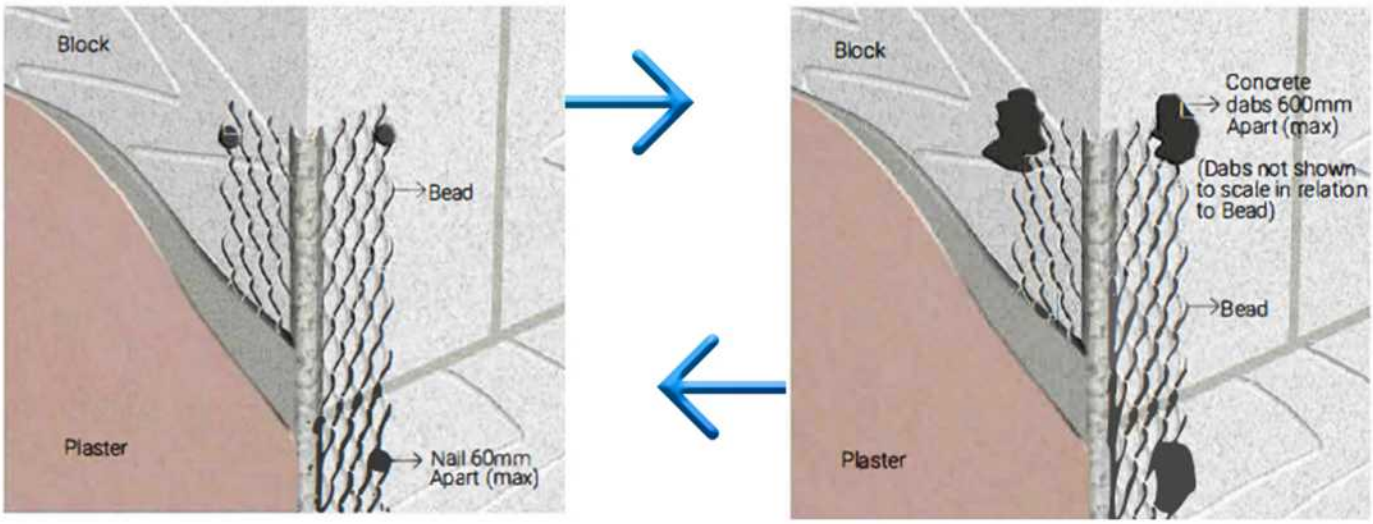
The most appropriate ***NIPRAS*** bead should be chosen to suit the application required plaster depth and the desired finish of the work. The application and installation of ***NIPRAS*** beads should be in accordance with BS 5492:1990 code of practice for internal plastering and BS 5262: 1991 Code of Practice tor external renderings.

Plaster beads have become an indispensable part of plastering operations. Use of the appropriate beads greatly reduces the time in forming sharp corner joints, ends stops and other details. Moreover, they offer protection and reinforcement to vulnerable plaster edges.

Beads may be trimmed to length using tin man's shears across the wings and a fine-toothed saw across bead noses.

USE ONE OF THE FOLLOWING METHODS TO FIX NIPRAS ANGLE BEADS AND PLASTER STOP BEADS

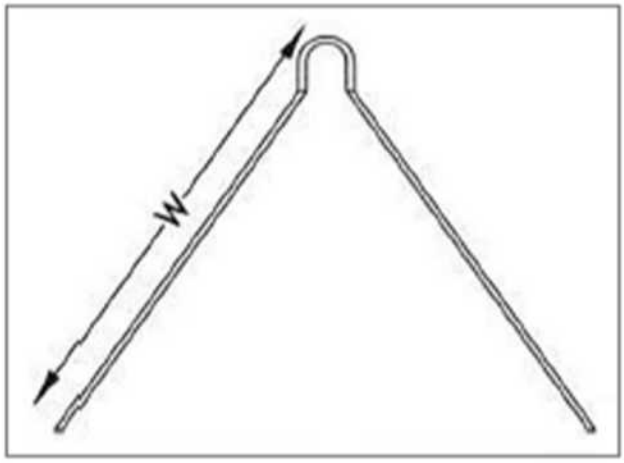
1. Beads should be fixed using plaster or render dabs or a suitable mechanical fixing at a maximum of 600 mm centers.
2. Beads may be wire tied to the face of metal lathing backgrounds.
3. Use tin snips or shears to cut to size
4. When joining angle, use a dowel inserted in the nose to ensure continuity and alignment
5. Avoid damage to beads as they are specifically designed for cement -based renders & should not be used with gypsum-based plaster unless they are specified with an approved protective finish.
6. Epoxy /Plaster coated galvanized steel beads, with PVC nosing, are designed for external use only in sheltered or moderate environments.



ANGLE/CORNER BEAD

Angle beads provide true and straight corners which are resistant to chipping and cracking giving strength and protection against everyday knocks. Expanded diamond mesh wings allow for keying the plaster right up to the nose of the bead. It is designed to protect the corners.

Angle bead is recommended for a greater corner protection and a precise straight line. Available in galvanized finish for internal use, and in stainless steel for external use.



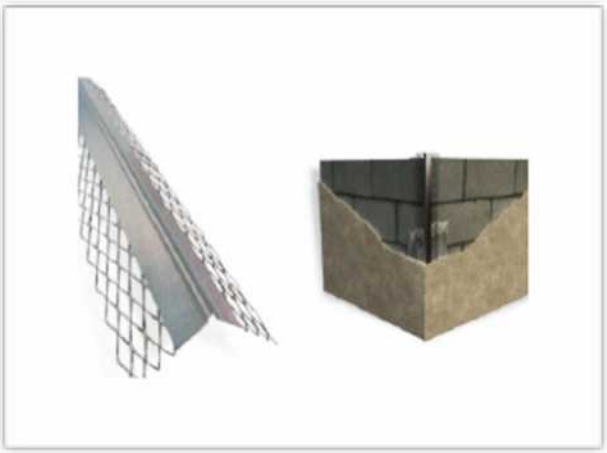


TABLE NO. 1

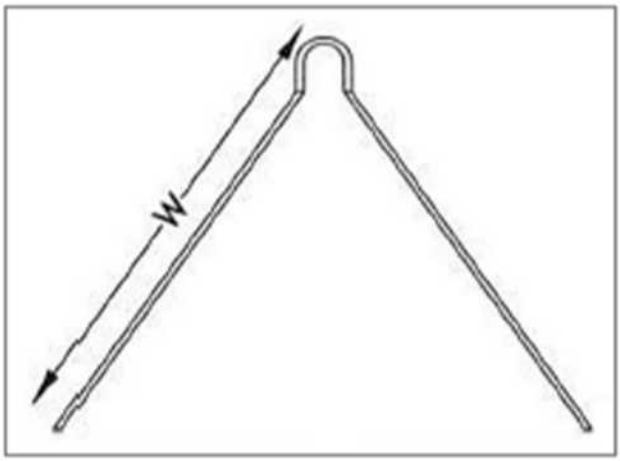
Reference code	Width of wings (mm)	Plaster Depth (mm)	Material	Length (mm)
N-ABE 50 - GS/SS	50	12--19	Galvanized / Stainless Steel	3000
N-ABE 60 - GS/SS	60	12--19	Galvanized / Stainless Steel	3000
N-ABE 64 - GS/SS	64	19	Galvanized / Stainless Steel	3000
N-ABE 70 - GS/SS	70	19	Galvanized / Stainless Steel	3000
N-ABE 75 - GS/SS	75	19	Galvanized / Stainless Steel	3000

FIXING:
Fix by either nailing or using plaster dabs

***Special length can be arranged upon request**

MICRO ANGLE/CORNER BEAD

Micro angle beads are specially designed for single coat plaster and used at corners for excellent adhesion and good reinforcement



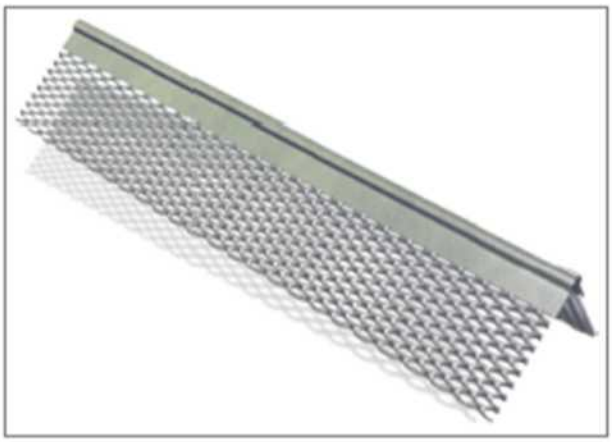


TABLE NO. 2

Ref Code	Width of Wings (mm)	Plaster Depth (mm)	Material	Length (mm)
N-MAB 04 - GS/SS	25 x 25	4	Galvanized / Stainless Steel	3000
N-MAB 06 - GS/SS	30 x 30	6	Galvanized / Stainless Steel	3000

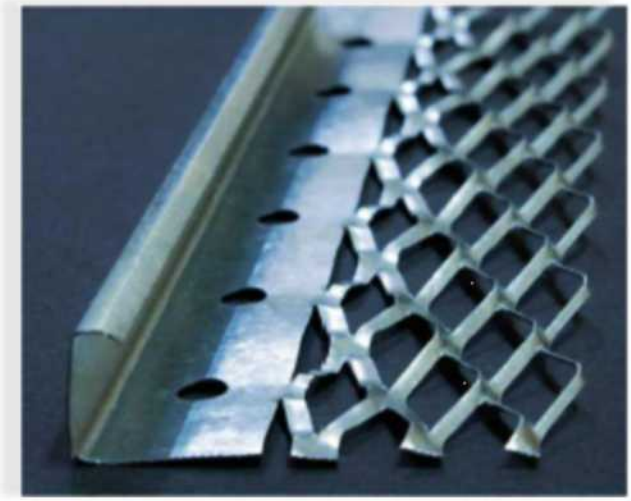
FIXING
Fix by either nailing or using plaster dabs.

***Special length can be arranged upon request**

MATERIAL:
Galvanized Steel for internal use
Stainless steel for external use.

PLASTER STOP BEAD

Plaster stop beads provide clean, neat edges at openings or abutments onto other wall surface or ceiling finishes. They are available to suit various plaster depths. Plaster stop beads are used between wall surfaces and abutment of doors and window frames and in places wherever the plaster ends. The beads are designed with a ridge of nail holes to provide easy installation.



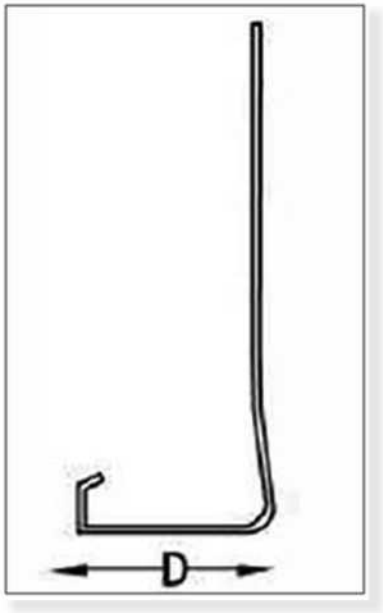


TABLE NO. 3

Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-PST 10 - GS/SS	10	Galvanized / Stainless Steel	3000
N-PST 13 - GS/SS	13	Galvanized / Stainless Steel	3000
N-PST 16 - GS/SS	16	Galvanized / Stainless Steel	3000
N-PST 19 - GS/SS	19	Galvanized / Stainless Steel	3000

FIXING
Fix by either nailing or using plaster dabs.

***Special length can be arranged upon request**

MATERIAL:
Galvanized Steel for internal use
Stainless steel for external use.

MICRO PLASTER STOP BEAD

Micro plaster stops are designed for thin coat edge protection at openings. Micro plaster stops beads provide clean, neat edges at openings or abutments onto other wall surface or ceiling finishes.

Micro plaster stops provide efficient keying and excellent finishes. They are available to suit various plaster depths.

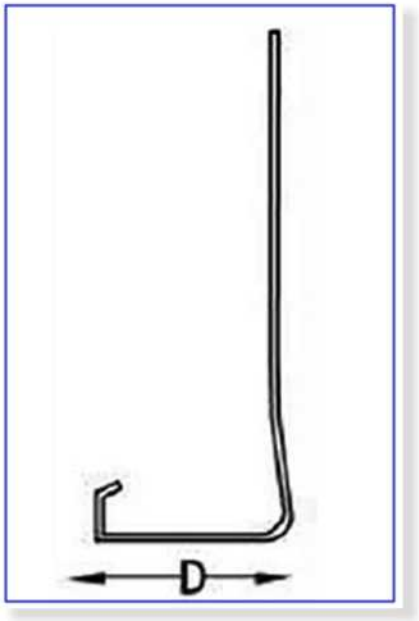


TABLE NO. 4

Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-MPS 03 - GS/SS	3	Galvanized / Stainless Steel	3000
N-MPS 06 - GS/SS	6	Galvanized / Stainless Steel	3000

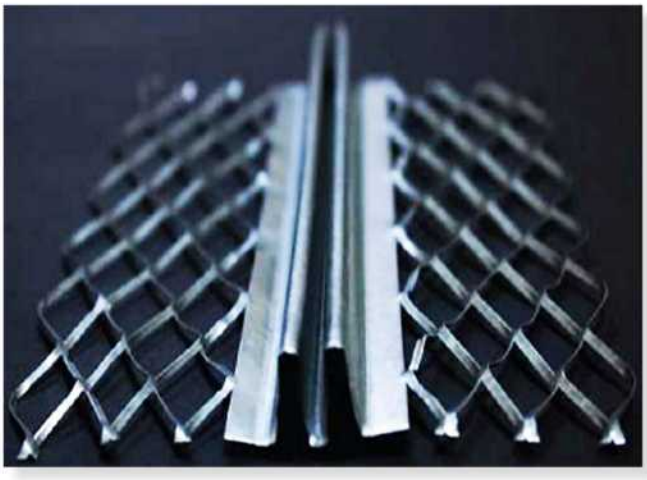
FIXING
Fix by either nailing or using plaster dabs.

***Special length can be arranged upon request**

MATERIAL:
Galvanized Steel for internal use
Stainless steel for external use.

CONTROL JOINT BEAD

Control Joint Beads are designed to relieve stress and minimize cracking. Control joints provide excellent expansion control for both walls and ceiling and offers positive locking of the stucco to the edge of the point.



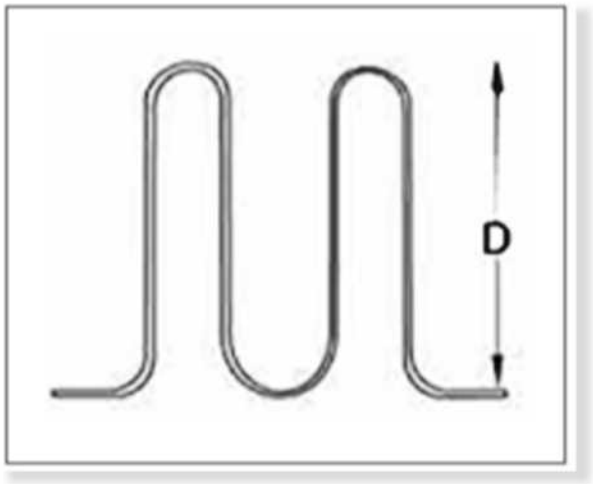


TABLE NO. 5

Ref Code	Plaster Depth(mm)	Material	Length (mm)
N-CJB10 - GS/SS	10	Galvanized / Stainless Steel	3000
N-CJB13 - GS/SS	13	Galvanized / Stainless Steel	3000
N-CJB16 - GS/SS	16	Galvanized / Stainless Steel	3000
N-CJB19 - GS/SS	19	Galvanized / Stainless Steel	3000

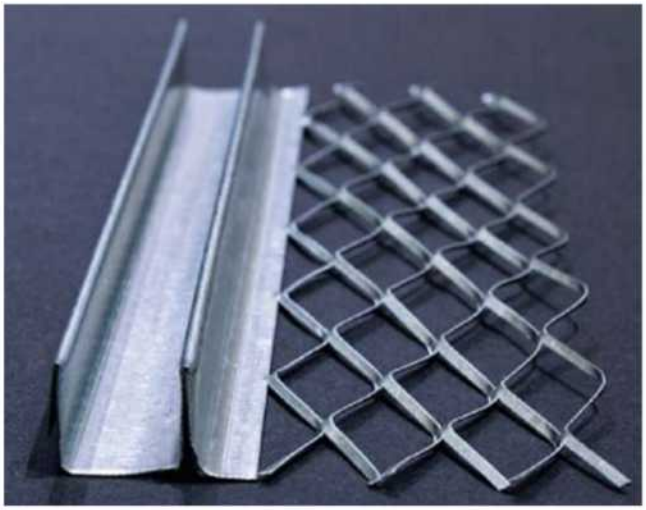
FIXING
Fix by either nailing or using plaster dabs.

***Special length can be arranged upon request**

MATERIAL:
Galvanized Steel for internal use
Stainless steel for external use.

ARCHITRAVE BEAD

Architrave beads are mainly used for aesthetic purposes to give a shadow line decorative effect and clean division between varying wall finishes.



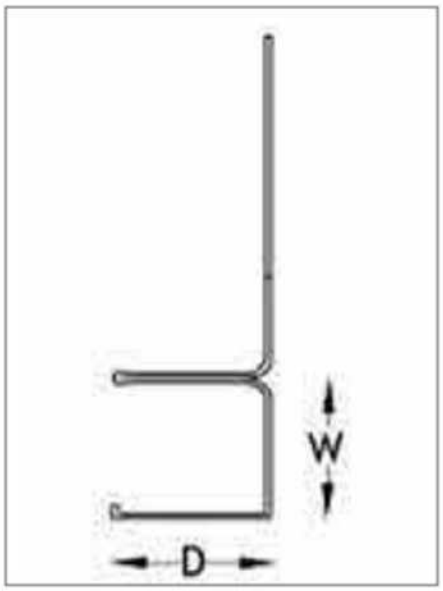


TABLE NO. 6

Ref Code	Plaster Depth(mm)	Material	Length (mm)
N-ACB10 - WF-GS/SS	With flange 10	Galvanized / Stainless Steel	3000
N-ACB 13 - WF-GS/SS	With flange 13	Galvanized / Stainless Steel	3000
N-ACB 16 - WF-GS/SS	With flange 16	Galvanized / Stainless Steel	3000
N-ACB 19 - WF-GS/SS	With flange 19	Galvanized / Stainless Steel	3000
N-ACB10 - WO-GS/SS	Without flange 10	Galvanized / Stainless Steel	3000
N-ACB 13 - WO-GS/SS	Without flange 13	Galvanized / Stainless Steel	3000
N-ACB 16 - WO-GS/SS	Without flange 16	Galvanized / Stainless Steel	3000
N-ACB 19 - WO-GS/SS	Without flange 19	Galvanized / Stainless Steel	3000

FIXING

Fix by either nailing or using plaster dabs.

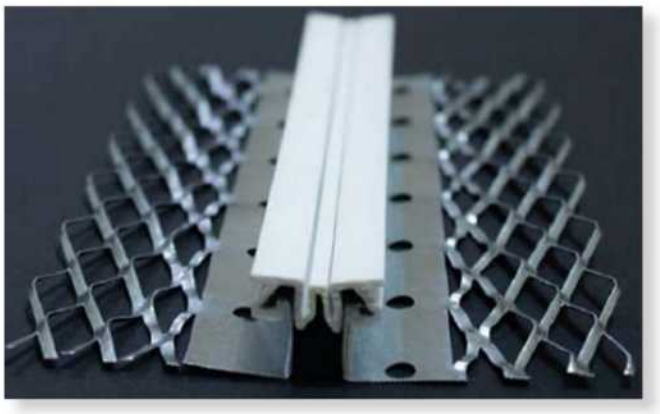
MATERIAL:

Galvanized Steel for internal use
Stainless steel for external use.

MOVEMENT BEAD

Movement Beads are used to relieve the stress and strain in large plaster areas of wall and ceiling stucco areas and to allow movement between adjoining surface finishes resulting from differential expansion or settlement.

Movement Beads act as stop barriers when a change in finish is required. They are used in all types of building construction wherever expansion joints are present, for all types and kinds of bricks and reinforced concrete. It helps in improving the quality of the building with respect to the openings that are invariably created because of the space provided for expansion.



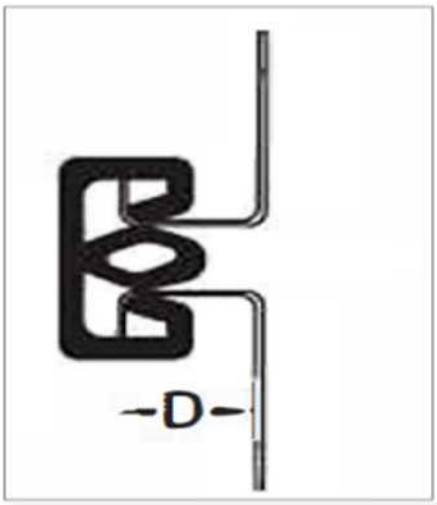


TABLE NO. 7

Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-MBE 10 - GS/SS	10	Galvanized / Stainless Steel	2700, 2850, 3000
N-MBE 13 - GS/SS	13	Galvanized / Stainless Steel	2700, 2850, 3000
N-MBE 16 - GS/SS	16	Galvanized / Stainless Steel	2700, 2850, 3000
N-MBE 19 - GS/SS	19	Galvanized / Stainless Steel	2700, 2850, 3000

FIXING
Fix by either nailing or using plaster dabs.

***Special length available upon request**

MATERIAL:
Galvanized Steel for internal use
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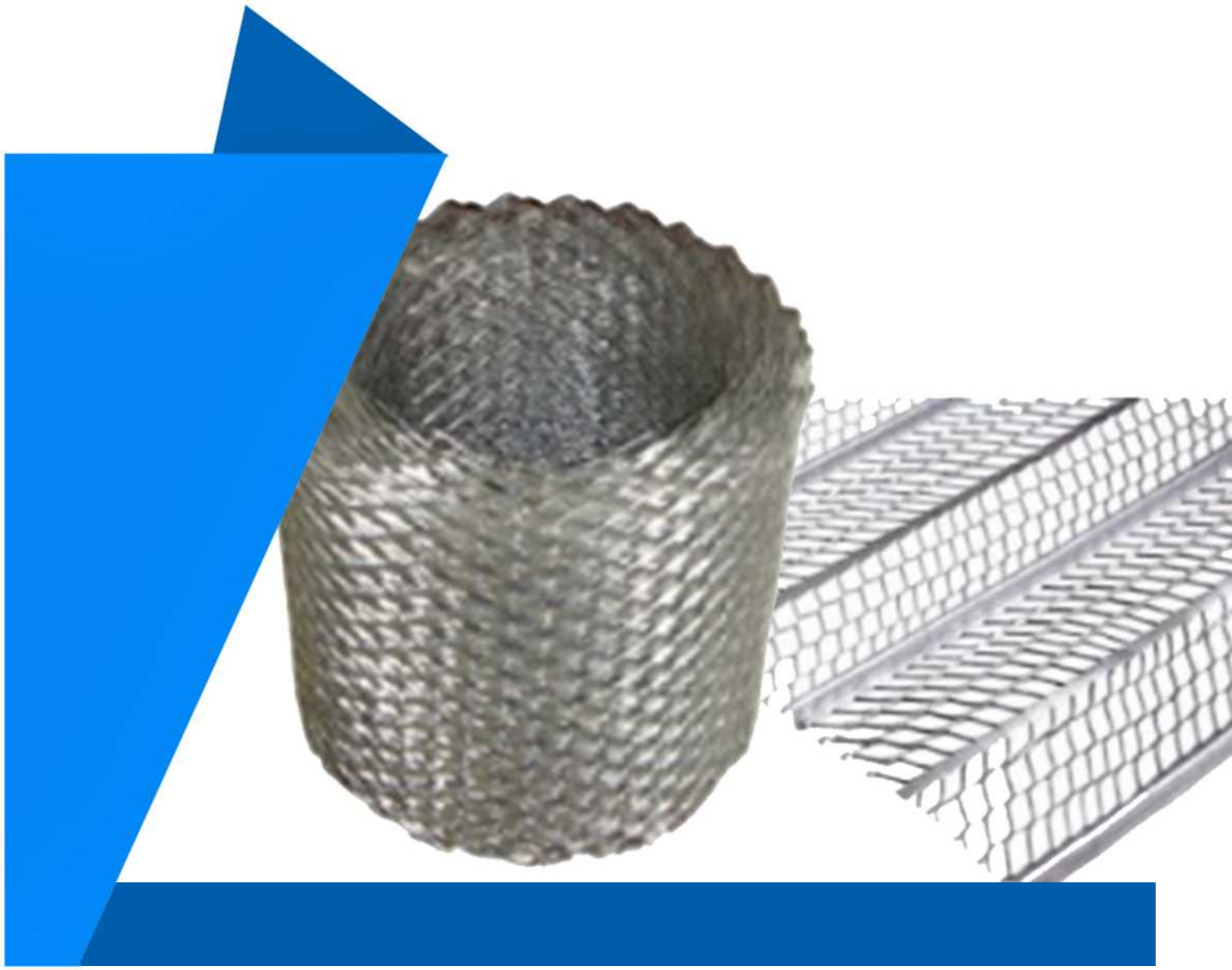


PLASTERING

ACCESSORIES

M E S H

رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

NIPRAS PLASTERINNG MESH

Corner Mesh

Coil Lath

Strip Mesh

Metal Sheet Lath

Rib Lath

Fiber Glass Mesh

Hy Rib Lath

TECHNICAL SPECIFICATIONS – PLASTERING

RELEVANT STANDARDS

- BS EN 13914- 2: 2005 Design, Preparation and Application of External Rendering and Internal Plastering.
- BS EN 13658-1: 2005 Metal Lath and Beads Definitions, Requirements and Test Methods, Internal Plastering.
- Supersedes BS 1369-1 :1987 and BS 6452-1: 1984
- BS EN 13658 – 2: 2005 Metal Lath and Beads – Definitions, Requirements and Test Methods, External Plastering.
- Supersedes BS 1369-2:1987 and BS 6452-2: 1984
- ASTM C841 – Standard Specification for Installation of Interior Lathing and Furring
- ASTM C847 - Standard Specification for Metal Lath
- ASTM C1063 – Standard Specification for Installation of Lathing and Furring for Portland Cement - Based Plaster
- International Building Code, (IBC) Chapter 25
- International Residential Code, (IRC) Chapter 7

GALVANIZED STEEL

- BS EN 10346:2009 (formerly BS EN 10142: 1991) coating type: ZIB0-275 ASTM A653/ A653M

RELEVANT STANDARDS

- BS EN 13658-1 & 2:2005 (formerly BS 1369: Part I :1987)

STAINLESS STEEL

- BS EN 10088-2:2005, which was directly equivalent to formerly BS 1449: Part 2:1983 in Grade 304 2B FINISH.
- ASTM A240/A240M in Grade 304 28 FINISH.

RELEVANT STANDARDS

- BS EN 845-3 :2003 ASTM A 951/A 951M

COLD DRAWN STEEL FOR CONCRETE/MASONRY REINFORCEMENT

- BS 4482:2005.
- ASTM A 496/ A 496M, ASTM A 497 ASTM A 82/ A 82M, ASTM A 185.

PRE-GALVANIZED STEEL WIRE

- BS EN 10244-2:2001 formerly BS 443 ASTM A64I/A 641M

INSTALLATION OF NIPRAS BEAD

PLASTER BEADS

NIPRAS comprehensive range of Plaster Beads are precision engineered and simple to use. Fixing by nail or plaster dab is straight-forward and fast, generating arises, edges, corners and joints that are easy to form and resistant to chipping, cracking and impact damage.

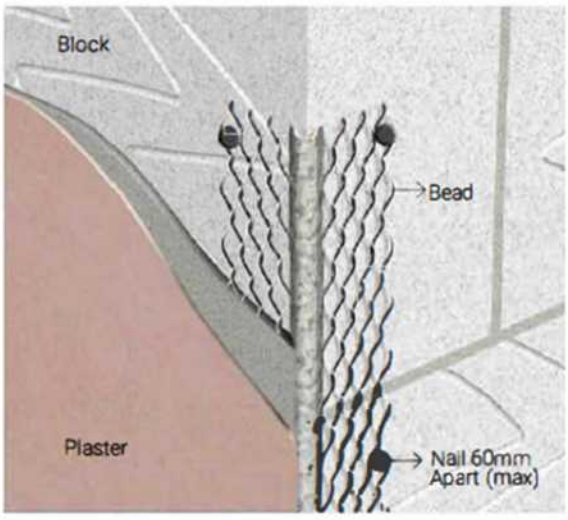
The most appropriate ***NIPRAS*** bead should be chosen to suit the application required plaster depth and the desired finish of the work. The application and installation of ***NIPRAS*** beads should be in accordance with BS 5492:1990 code of practice for internal plastering and BS 5262: 1991 Code of Practice tor external renderings.

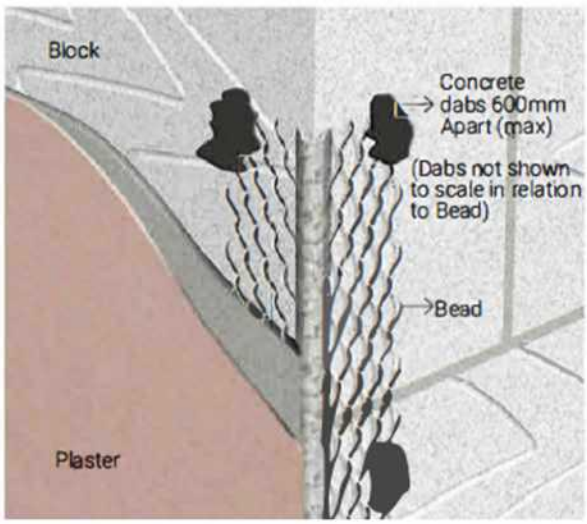
Plaster beads have become an indispensable part of plastering operations. Use of the appropriate beads greatly reduces the time in forming sharp corner joints, ends stops and other details. Moreover, they offer protection and reinforcement to vulnerable plaster edges.

Beads may be trimmed to length using tin man's shears across the wings and a fine-toothed saw across bead noses.

USE ONE OF THE FOLLOWING METHODS TO FIX NIPRAS ANGLE BEADS AND PLASTER STOP BEA

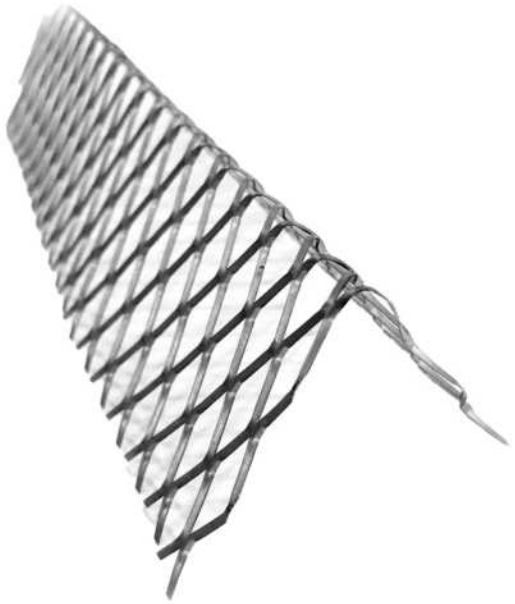
1. Beads should be fixed using plaster or render dabs or a suitable mechanical fixing at a maximum of 600 mm centers.
2. Beads may be wire tied to the face of metal lathing backgrounds.
3. Use tin snips or shears to cut to size
4. When joining angle, use a dowel inserted in the nose to ensure continuity and alignment
5. Avoid damage to beads as they are specifically designed for cement -based renders & should not be used with gypsum-based plaster unless they are specified with an approved protective finish.
6. Epoxy /Plaster coated galvanized steel beads, with PVC nosing, are designed for external use only in sheltered or moderate environments.





CORNER MESH / LATH

Corner lath is used in corners where walls meet walls or ceilings. Corner Mesh lathes are used to prevent cracking in the plaster of the corner, and by protecting the inner corner against various factors. Corner Mesh lathes helps the formation of proper plastering.



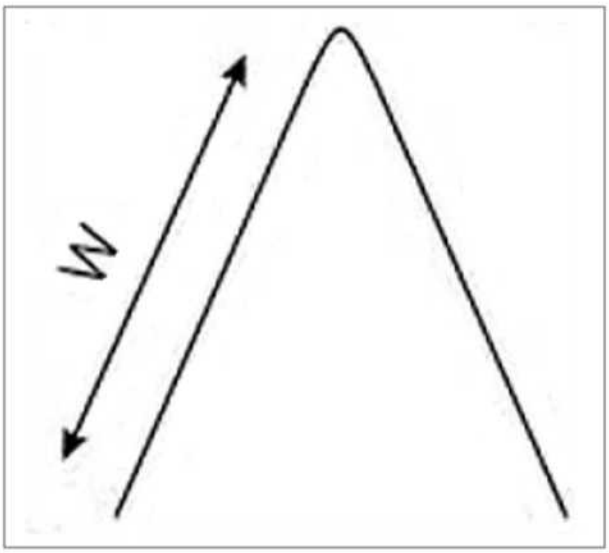


TABLE NO.

Ref Code	Metal Wing width (mm)	Material	Length (mm)
N-CRM 50 - GS/SS	50 x 50	Galvanized / Stainless Steel	2440 / 3000
N-CRM 75 - GS/SS	75 x 75	Galvanized / Stainless Steel	2440 / 3000
N-CRM 100 - GS/SS	100 x 100	Galvanized / Stainless Steel	2440 / 3000

FIXING
Fix by either nailing or using plaster dabs.

***Special width of wings and lengths available upon request**

MATERIAL:
Galvanized Steel for internal use
Stainless steel for external use.

METAL SHEET LATH

NIPRAS sheet lath is used for plastering reinforcement, as background for plastering in suspended ceiling and walls. It is suitable for encasing steel columns and beams, assisting in the protection from fire.

Sheet lath is also used to reinforce plaster between dissimilar areas and at crack-prone areas adjacent to openings.

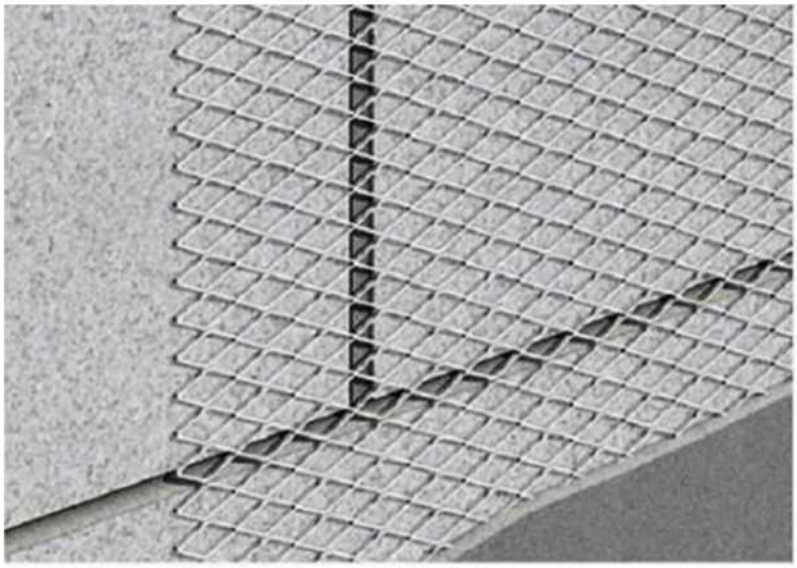


TABLE NO. 1

Ref Code	Weight (kg/m2)	Material	Sheet Size Length x Width (mm)
N-SHL 064 - GS/SS	0.64	Galvanized / Stainless Steel	2440 x 600
N-SHL 082 - GS/SS	0.82	Galvanized / Stainless Steel	2440 x 600
N-SHL 105 - GS/SS	1.05	Galvanized / Stainless Steel	2440 x 600
N-SHL 122 - GS/SS	1.22	Galvanized / Stainless Steel	2440 x 600
N-SHL 162 - GS/SS	1.62	Galvanized / Stainless Steel	2440 x 600
N-SHL 190 - GS/SS	1.9	Galvanized / Stainless Steel	2440 x 600

***Special width of wings, lengths and weights available upon request**

MATERIAL

- **Galvanized** steel for internal use.
- **Stainless** steel for external use. Grade 316/316L is advisable in marine environment.

STRIP MESH

Strip Mesh Lathes are used along stress lines where cracking is likely. Expanded strip mesh provides reinforcement to the plaster to prevent crack over joints of different materials, electrical & mechanical conduits, doors and window lintels.

TABLE NO. 3

Ref Code	Width (mm)	Material	Length (mm)
N-SMH 10 - GS/SS	100	Galvanized / Stainless Steel	3000, 2440
N-SMH 15 - GS/SS	150	Galvanized / Stainless Steel	3000, 2440
N-SMH 20 - GS/SS	200	Galvanized / Stainless Steel	3000, 2440
N-SMH 30 - GS/SS	300	Galvanized / Stainless Steel	3000, 2440
N-SMH 40 - GS/SS	400	Galvanized / Stainless Steel	3000, 2440

***Special widths up to 500mm and special lengths available upon request**

MATERIAL

- **Galvanized** steel for internal use.
- **Stainless** steel for external use. Grade 316/316L is advisable in marine environment.

BLOCK WORK MESH

Block mesh is used in block works where extra strength and stability are required as on footings, parapets and localized stress areas. Block works with mesh reinforcement helps the walls to resist stress caused by vibrations and thermal changes. Block work mesh should be used in every alternate course of a wall. Combinations of different widths of block mesh may be used to suit any wall thickness.

TABLE NO. 4

Ref Code	Plaster Depth (mm)	Block Width (mm)	Material
N-BRM 50 - GS/SS	50	100	Galvanized / Stainless Steel
N-BRM 75 - GS/SS	75	100	Galvanized / Stainless Steel
N-BRM 100 - GS/SS	100	150	Galvanized / Stainless Steel
N-BRM 125 - GS/SS	125	150	Galvanized / Stainless Steel
N-BRM 150 - GS/SS	150	200	Galvanized / Stainless Steel
N-BRM 175 - GS/SS	175	200	Galvanized / Stainless Steel
N-BRM 200 - GS/SS	200	250	Galvanized / Stainless Steel
N-BRM 250 - GS/SS	250	300	Galvanized / Stainless Steel
N-BRM 300 - GS/SS	300	350	Galvanized / Stainless Steel

Special widths up to 700mm and lengths are available upon request

COIL LATH

Coil Lath is extensively used in building construction as plastering base to reinforce against cracks between joints of dissimilar materials, lintels and opening of electrical and mechanical conduits.

An easy to fix lath, provides a secure key for plaster and render applications as well as offering effective joint and crack rein-forcement.

TABLE NO. 5

Ref Code	Width (mm)	Plaster Depth	Material	Length (mm)
N-CLH 10 - GS/SS	10	100	Galvanized / Stainless Steel	3000
N-CLH 15 - GS/SS	15	150	Galvanized / Stainless Steel	3000
N-CLH 20 - GS/SS	20	200	Galvanized / Stainless Steel	3000
N-CLH 30 - GS/SS	30	300	Galvanized / Stainless Steel	3000
N-CLH 40 - GS/SS	40	400	Galvanized / Stainless Steel	3000

***Special widths and lengths are available upon request**

MATERIAL

- **Galvanized** steel for internal use.
- **Stainless** steel for external use. Grade 316/316L is advisable in marine environment.

RIB LATH

NIPRAS rib lath is a versatile metal lath stiffened by the longitudinal ribs, used for plastering reinforcement. The furring design of the mesh provides efficient plastering background for the construction of partition, suspended ceiling and refurbishment works

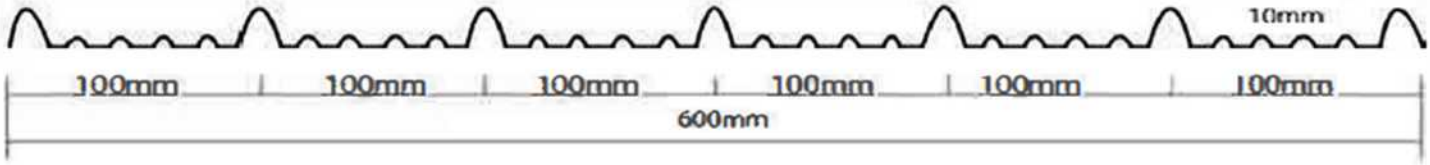
Rib lath is ideal for refurbishing damaged or old masonry walls, when a key for rendering is not certain due to disintegration or softening of the wall face

TABLE NO. 6

Ref Code	Wight (kg/m2)	Material	Size(mm)	Rib Depth(mm)
N-RBL 148 - GS/SS	1.48	Galvanized / Stainless Steel	2500 x 700	2500 x 600
N-RBL 184 - GS/SS	1.84	Galvanized / Stainless Steel	2500 x 700	2500 x 600
N-RBL 222 - GS/SS	2.22	Galvanized / Stainless Steel	2500 x 700	2500 x 600

FEATURES OF NIPRAS RIB LATH

- Easy to cut and form to ornamental plaster work.
- Provides ample keying for scratch coat
- Commonly used for plaster machine application.
- Gives a uniform coat depth for large area..



NIPRAS RIB LATH INSTALLATION GUID

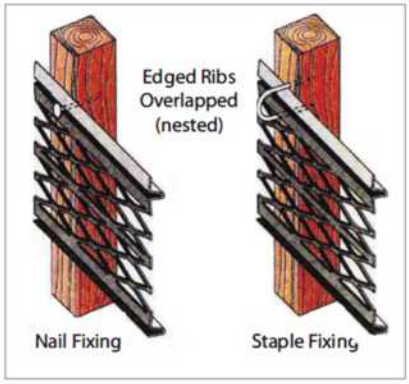
Rib lath should be fixed with apexes of ribs against the wall, edge ribs of sheet nesting into each other should be wire-tied every 150mm and ends fixing should be used at sufficient intervals to hold the lath firmly in position.

FIXING OF RIB LATH SHEETS

Rib lath is fixed so that the tip of the rib is placed against the supporting background. The rib of the sheet should run at right angles to any supports. Ensure that sheets are overlapped by a minimum of 50mm end to end and by 25mm width ways and that the ribs are nestled together.

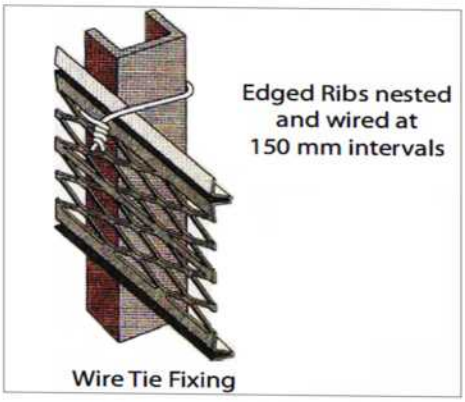
TIMBER SUPPORT

Rib lath is fixed at each rib to timber supports using Plaster nails or staples. Ensure that compatible corrosion resistant fixings are used, i.e. do not use galvanized fixings for stainless steel.



METAL SUPPORT

Rib lath is fixed at each rib to metal support using 1.63mm galvanized or stainless-steel tying wire. When joining Rib lath sheets overlap the edge ribs and tie the edges with 1.22mm tying wire at 150mm centers.



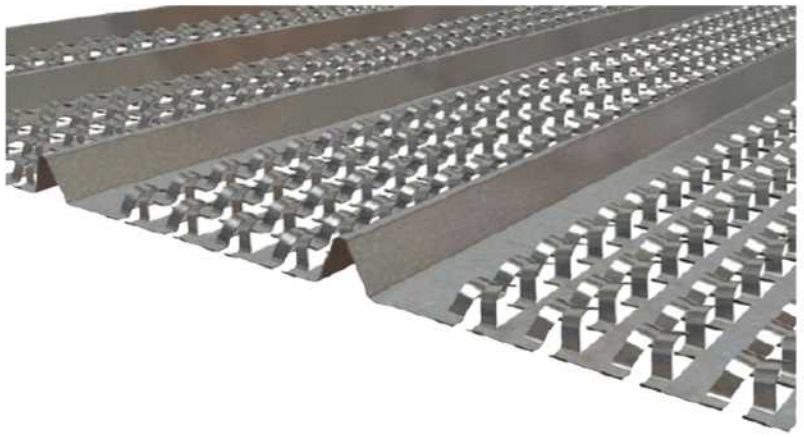
SOLID BACKGROUND

Rib lath can be fixed to a solid background using a suitable fixing which holds the ribs firmly against the background. Where sheets are installed vertically, fixings should be positioned through all ribs at 600mm centers to ensure adequate stability.

HY-RIB LATH

NIPRAS Hy-Rib lath is an expanded metal sheet product, specifically designed to be used as permanent formwork to concrete.

NIPRAS-Heavy Rib is used widely in construction work for joints, stop-end, retaining walls and columns. It creates a strong bond base for successive pours. Heavy Rib is fixed as permanent formwork.



HY RIB LATH IS MANUFACTURED FROM

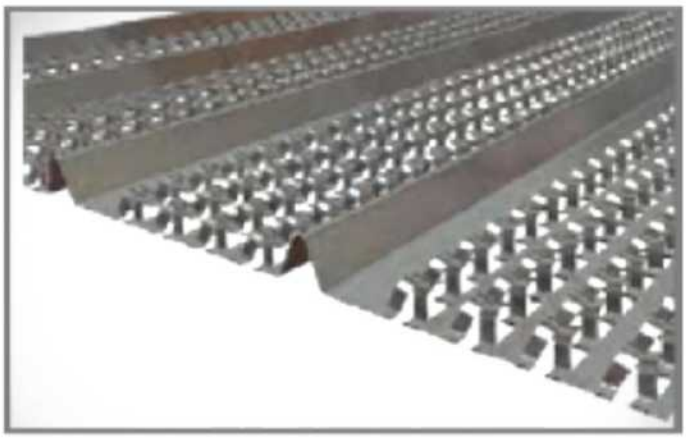
- Pre-galvanized steel according to BSEN 10327 as well as stainless Steel to BSEN 10088-2 type 1.4301.
- Galvanized Steel: BS EN 10346:2009.
- Stainless Steel to BS EN 10088-2 type 1.4301..

The profile of Hy Rib open mesh in combination with its ribs provide an inherently stiff sheet along its length. It can be used for flat and curved surfaces.

TABLE NO. 5

Reference Code	Weight (Kg/m2)	Material	Size (mm)	Rib Height (mm)
RBL 148 - GS	1.48	Galvanized	2500 x 700	10
RBL 184 - GS	1.84	Galvanized	2500 x 700	10
RBL 222 - GS	2.22	Galvanized	2500 x 700	10

ADVANTAGES OF NIPRAS'S HY-RIB LATH

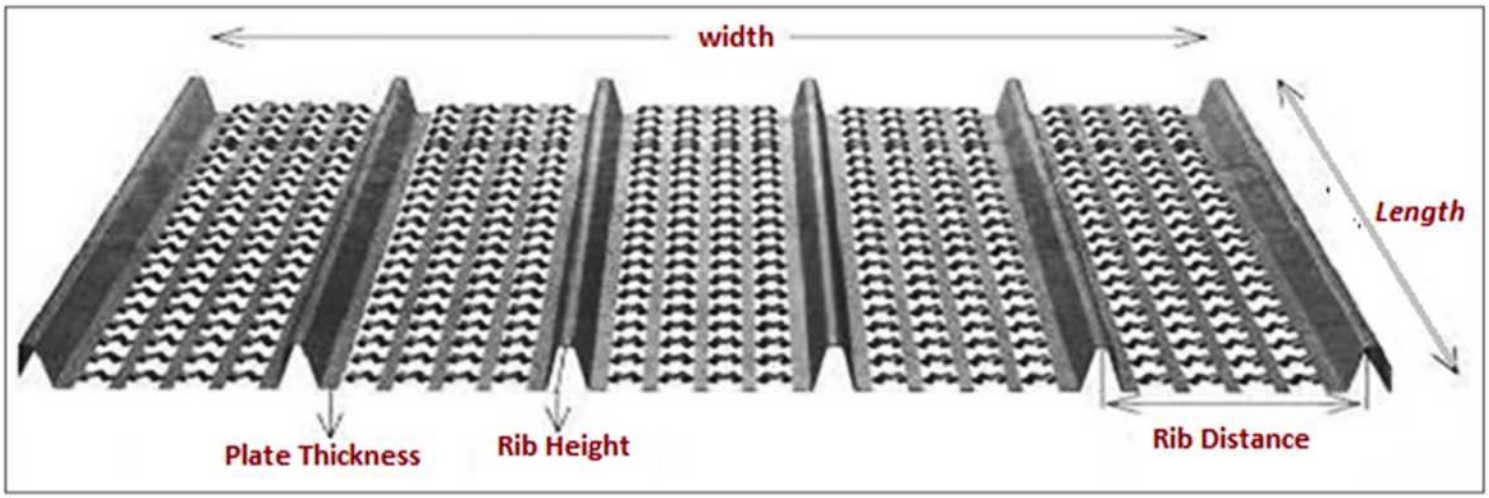


- Unique design incorporates mesh and roll-formed ribs to retain poured concrete.
- Versatile, light weight, easy to cut, bend and shape.
- Open mesh design can reduce concrete pressure by up to half, thereby decreasing form work supports considerably.
- Installation is possible in less time than traditional plywood or steel formwork.

Depth of joint (D)	Concrete Pressure		Clear Distance Between Supports (A) for Hy-Rib		
	Ciria 108	Assumed for Hy-Rib	2411	2611	2811
mm	kN/m²	kN/m²	mm	mm	mm
250	6.25	3.2	1250	1025	950
500	12.5	6.3	900	725	675
750	18.75	9.5	725	600	550
1000	25.0	12.7	625	500	475
1250	31.25	15.8	575	450	425
1500	37.5	19.0	525	425	400
2000	50.0	25.3	450	375	350
2500	62.5	31.7	400	325	300
3000	75.0	38.0	375	300	275

Reference	Rib Height (mm)	Material		Width (mm)	Thickness (mm)	Weight (kg/sqm)
HRB 16 - GS	16	Galvanized	2500	450	0.5	3.25/3.39
HRB 18 - GS	18	Galvanized	2500	450	0.5	4.00/4.86

Ref Code	Thickness(mm)	Width(mm)	Rib Height(mm)	Rib Distance (mm)	Rib Length (mm)
N-HRL-A	0.25	445	13	89	2500
N-HRL-B	0.30	445	13	89	2500
N-HRL-C	0.30	445	20.5	89	2500
N-HRL-D	0.35	445	13	89	2500
N-HRL-E	0.35	445	20.5	89	2500
N-HRL-F	0.40	445	13	89	2500
N-HRL-G	0.40	445	20.5	89	2500
N-HRL-H	0.50	445	20.5	89	2500

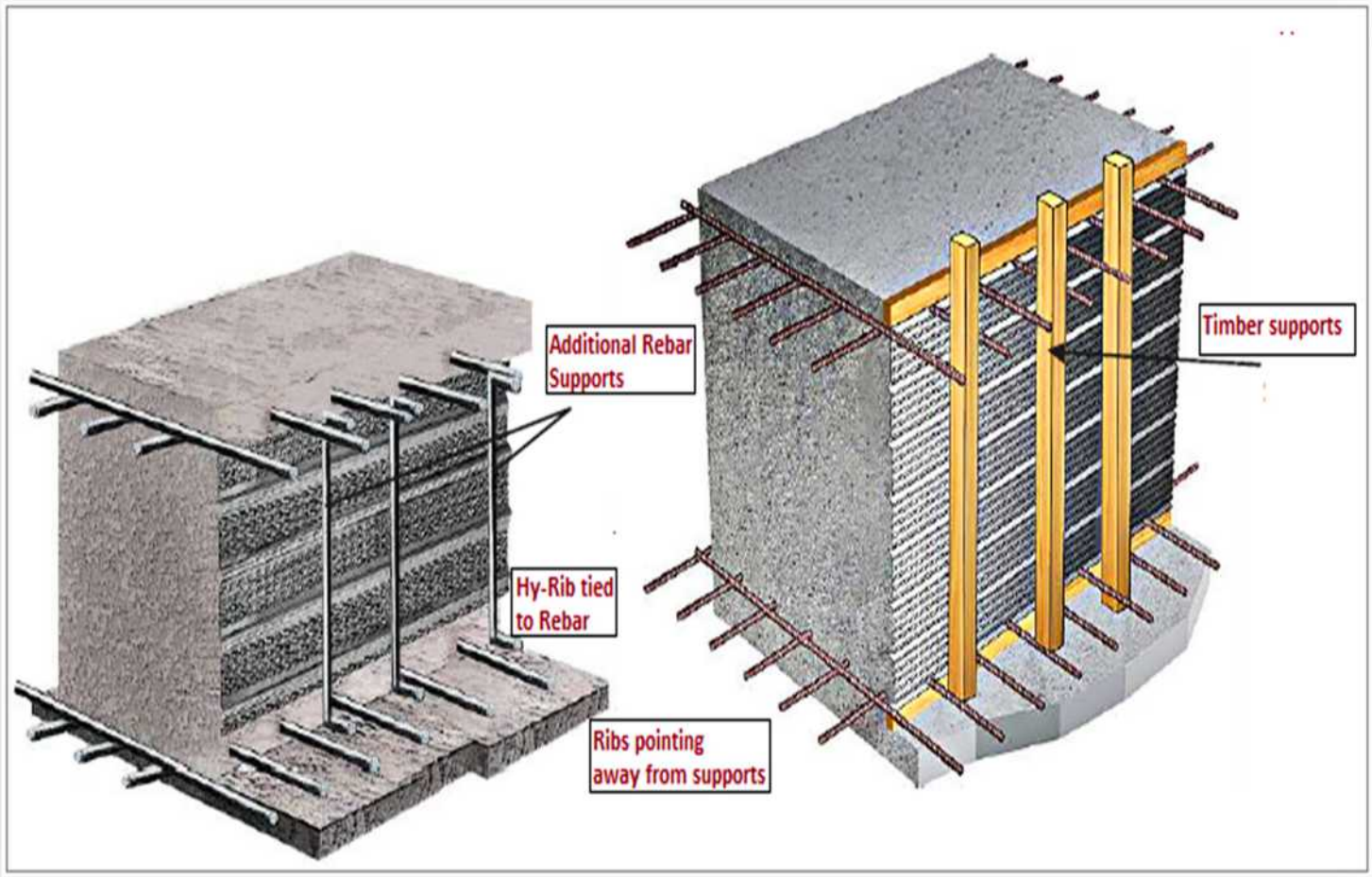


INSTALLATION OF NIPRAS HY-RIB LAT

- ***NIPRAS Hy-Rib Lath*** can be installed with the ribs placed either horizontally or vertically.
- The supporting members should always be at right angles to the ribs and the ribs should always point away from the supports.
- NIPRAS Hy-Rib Lath should be securely attached to the supporting framework of reinforcement by tying wire.
- If timber or aluminum supports are used, NIPRAS Hy-Rib Lath should be securely attached by nailing.
- NIPRAS Hy-Rib Lath should be fixed visible, as far as possible, so that during concreting, the vibration and formation of the concrete face suitable for the subsequent pour can be observed.
- NIPRAS Hy-Rib Lath is used with the ribs horizontally pointing into the concrete to be poured and spanning in the strong direction between vertical supports.
- Adjacent sheets should be overlapped by the outer edge ribs and tied together at about 150 mm intervals in width ways and in the case of length ways, it should overlap by minimum 50 mm with supports.
- Positioning of services, pipe work, rebar, other openings, etc. should be incorporated at the time of fixing of NIPRAS Hy-Rib Lath.
- Wear appropriate protective equipment during handling of NIPRAS Hy-Rib Lath.

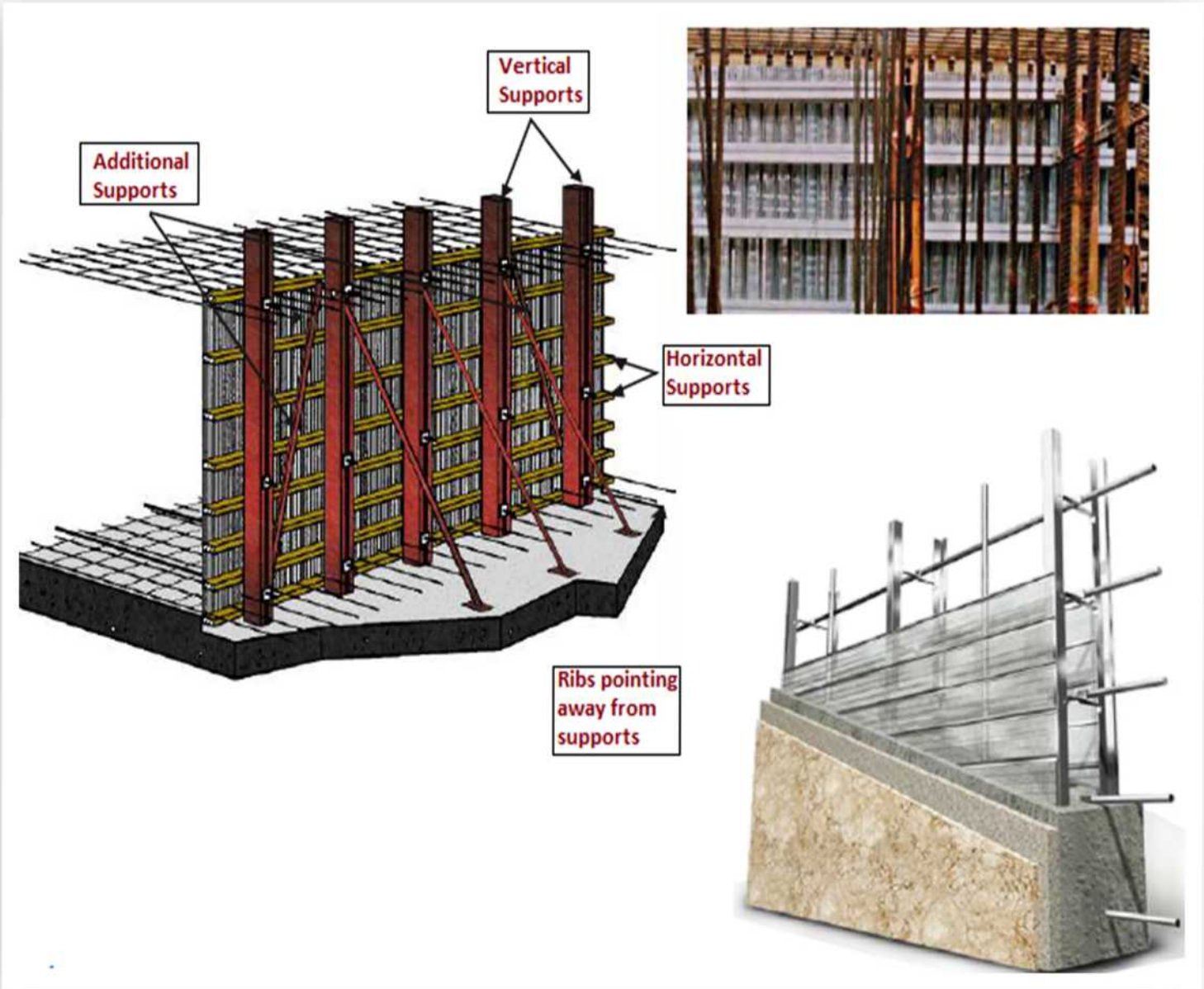
CONSTRUCTION JOINTS

Slab joints and stop ends: In a slab construction joint or stop end, NIPRAS-Hy Rib will generally be placed horizontally with the supports vertical.



DEEP CONSTRUCTION JOINTS

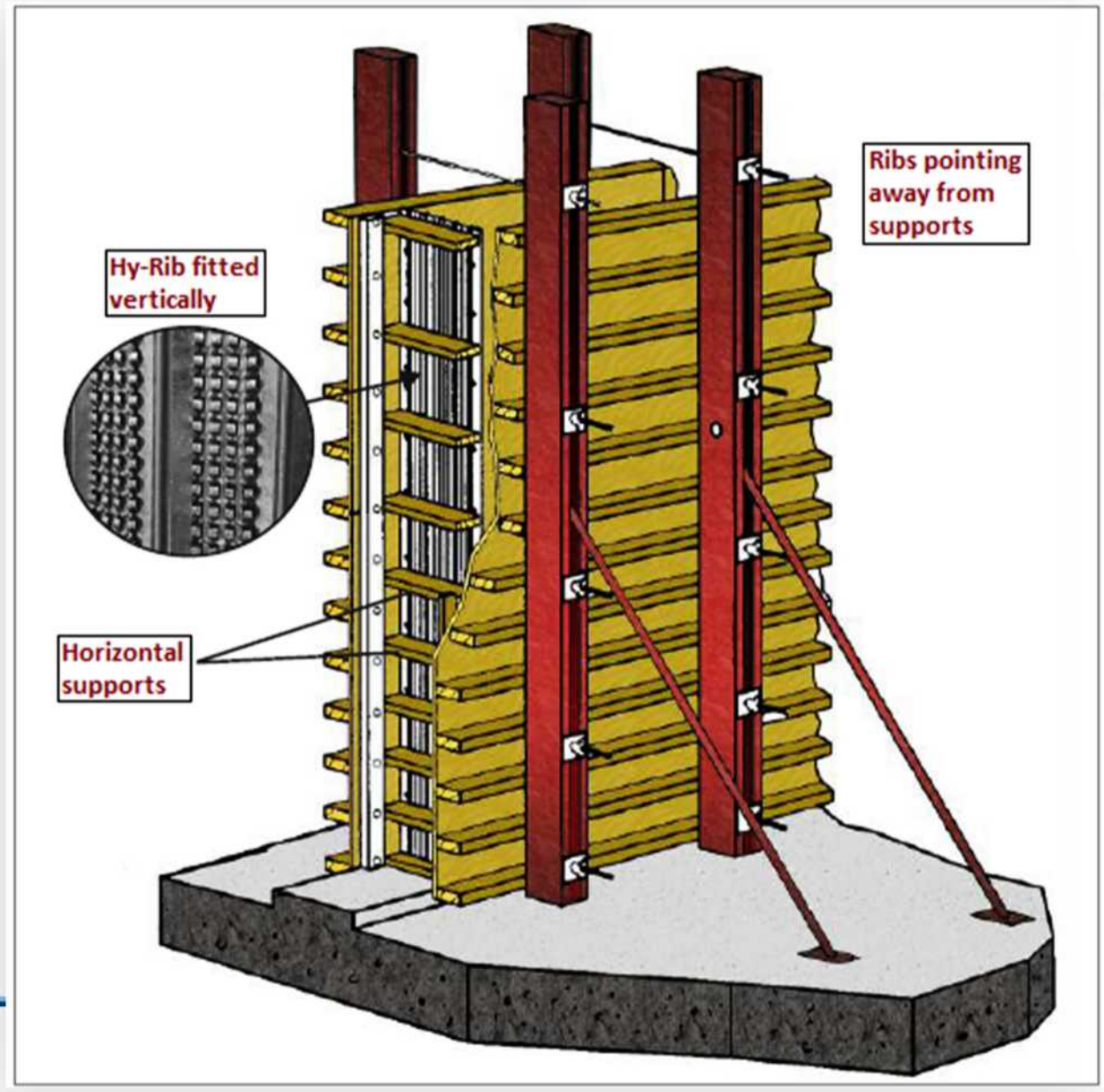
- ***NIPRAS Hy-Rib Lath*** will be placed vertically.



CONSTRUCTION JOINTS TO WALLS

Vertical joints in thin walls:

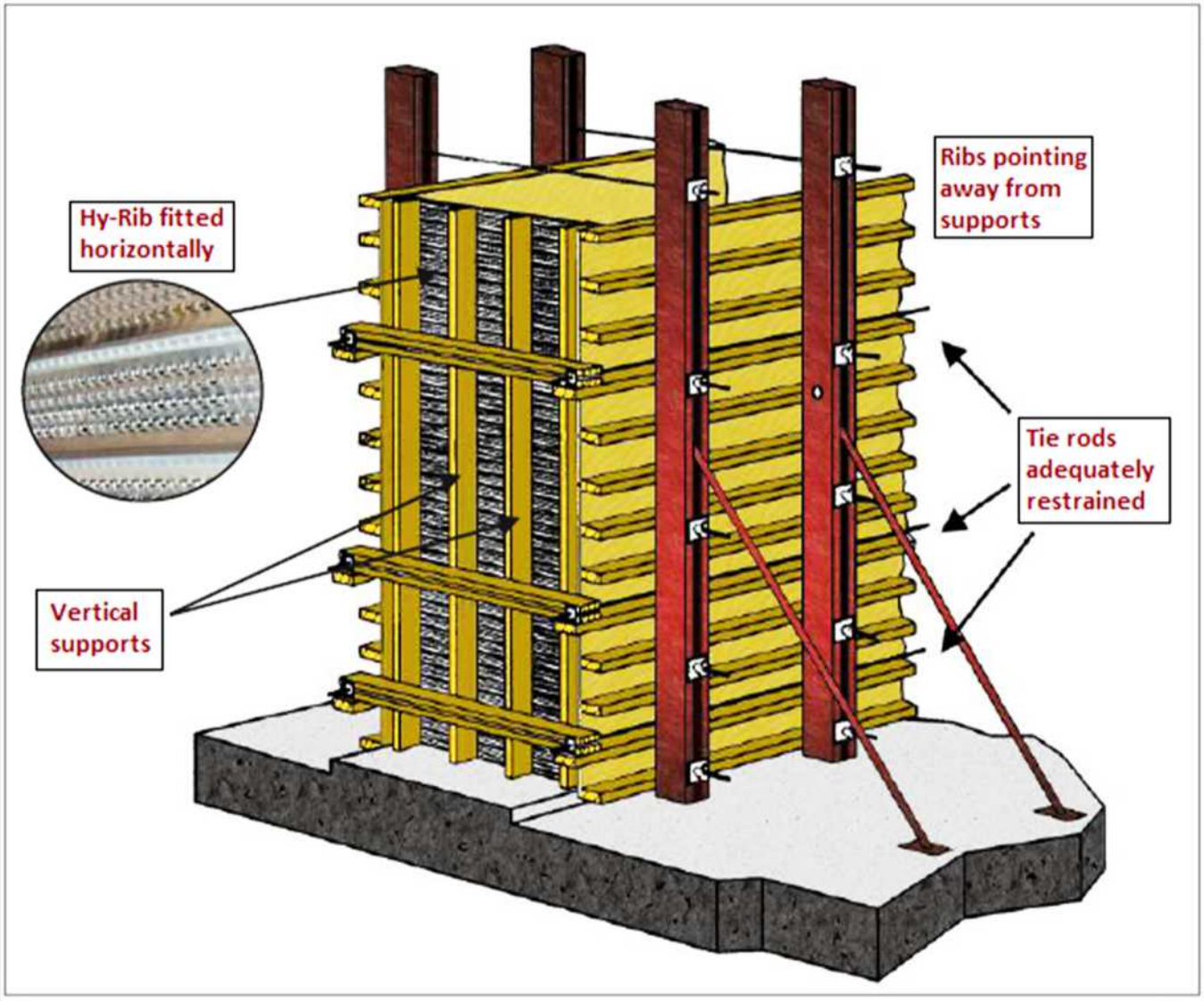
In stop end to thin walls (less than 900mm thick), NIPRAS Hy-Rib Lath will be placed vertically, with the supports fitted horizontally.



CONSTRUCTION JOINTS TO WALLS

- **Vertical joints in thick walls:**

  In stop end to thick walls over 900mm, NIPRAS Hy Rib Lath will be placed horizontally, with the supports fitted vertically.



NIPRAS BLOCK TIES

Wall ties play a vital role in ensuring the stability of a building. Block Ties also called as ***'Wall Ties'*** and are used in building with cavity walls. They are used to join the two leaves of a cavity wall together, allowing the two parts to act as a homogeneous unit, hidden from view after construction.

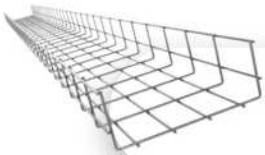
RANGE OF PRODUCTS

NIPRAS having a wide range of products for Cable Management system, Architectural Engineering Solutions, Building Material and more that are characterized in below categories to support the best interest for our customers.

Cable tray & Accessories

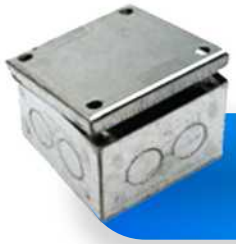
Cable ladder & Accessories

Cable trunk & Accessories



Wire basket tray & accessories

Base plate



Electrical boxes

EMT-Conduits

HFT - Crimped Terminal Lugs

Control panel boxes

C-Channel

ARCHITECTURAL ENGINEERING SOLUTION

Roof Access Hatch

Handrail

Garbage & Linen Chute

Access Raised Floor

Lockers

Ladders

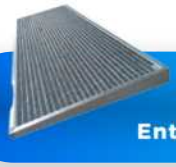
Gratings (Steel / Galvanized)

Steel Bollards

Fence

Toilet Partitions

Metal Gates



Entrance Mats

Expansion Joint System

Tile & Carpet Trim

Impact Protection

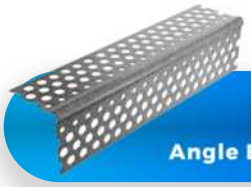
Staor Nosing

BLOCK WORK & PLASTERING ACCESSORIES

Block Reinforcement

Steel Lintel

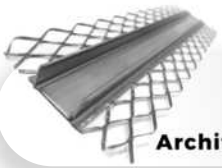
Adjustable head restraint



Angle Bead

Plaster Stop Bead

Control Joint



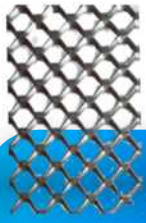
Architrave Bead

Movement Bead

Depth Guage Bead

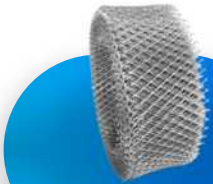
Corrugated Strip & Angle

Corner Mesh

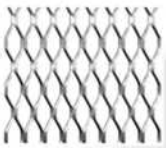


Metal Sheet Lath

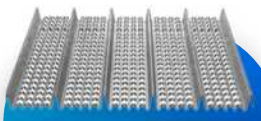
Strip Mesh



Coil Lath



Expanded Metal Rib Lath



HY - Rib Lath

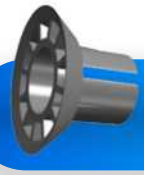
CONCRETE FORM WORK ACCESSORIES


Plywood


Tie Rods & Accessories


Timber


PVC Pipes


PVC Cones


PVC Chamfer


Rapid clamp


Shutter clamp


Concrete Spacer


Plastic Spacer


Steel Wire Mesh


Binding wire

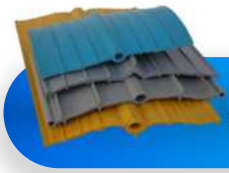
WATER PROOF & THERMAL INSULATION

Bitumen Membrane

Rock Walls

Geotextile

Extruded Polysterene



PVC Waterstop

Protection Board

Liquid Membrane

Expanded Polysterene

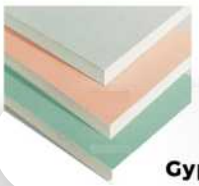
Foam Backing Rods

Polyethelene Sheet

Cork Sheet

Flashing Aluminium

GYPSUM PARTITIONS & SUSPENDED CIELING

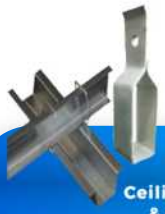


Gypsum Board

Cement Board

Access Panel

Studs & Runner



Ceiling Furing Channel & Channel Bracket

Perimeter & Dry Wall Angle

Furing Channel

Adjustable Rod Hanger

C- Bracket

Joint Mesh

Wire Connecting Clip

Gypsum Putty

Dry Wall & Self Drilling Screws

PIPE CLAMP,HANGERS & FIXING LETRING

Pipe Clamp With Rubber

Long Nut Pipe Clamp

Channel Clamp

U Clamp

Pipe Clamp (SNAP)

Beam Clamp

Conduit Clamp (Omega)

Clevis Pipe Hanger

Adjustable Band Hanger

Drop In Anchor

Anchor J Bolt

Steel U-Bolt

CLADDING ACCESSORIES

Z-Bracket With Returned Leg Horizontal Joint

Returned Leg Bracket

Up & Down Bracket

L- Bracket

Unistrut Support System & ETC

Anchor Bolt

Through Bolt

Sleeve Anchor Flange Nut

Hex Bolt With Nut Washer & Spring Nut

NIPRAS
METAL GROUP

شركة نبراس المعدن للصناعة

NIPRAS METAL INDUSTRY Co.